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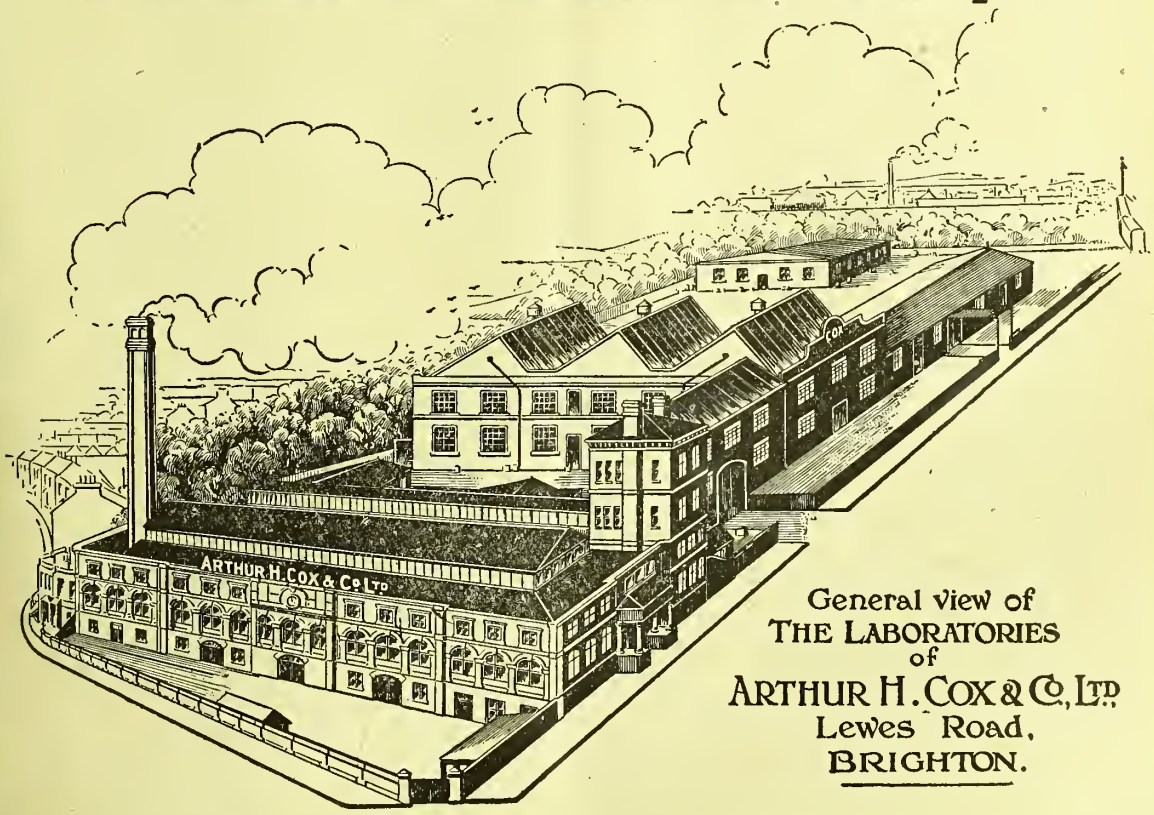

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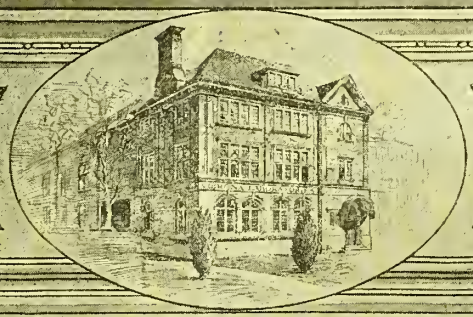

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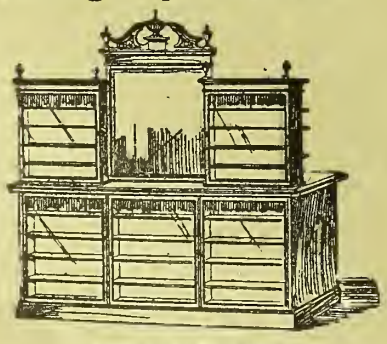

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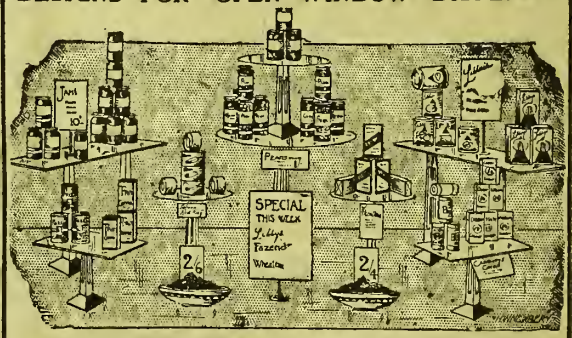

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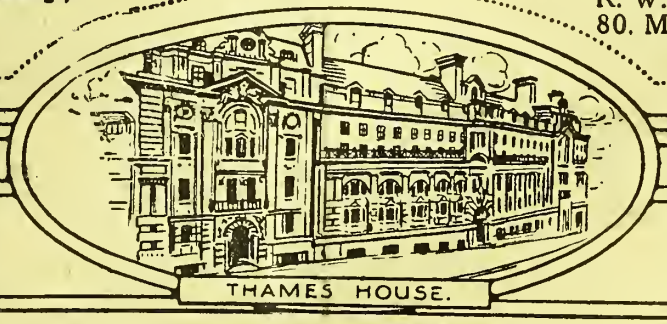

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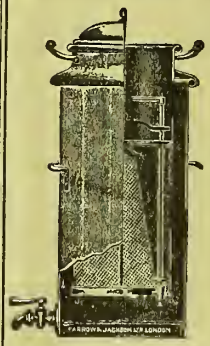

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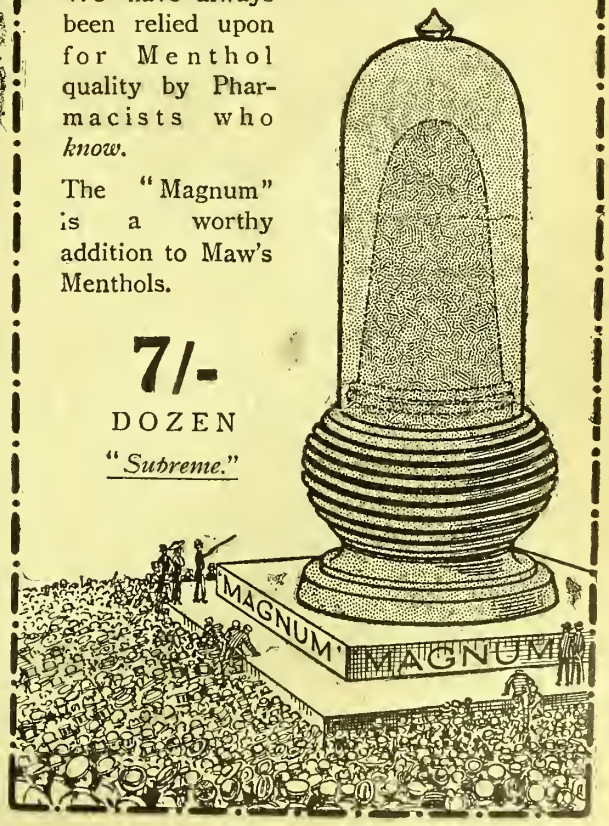

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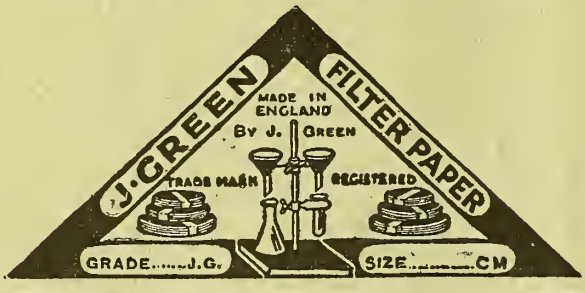

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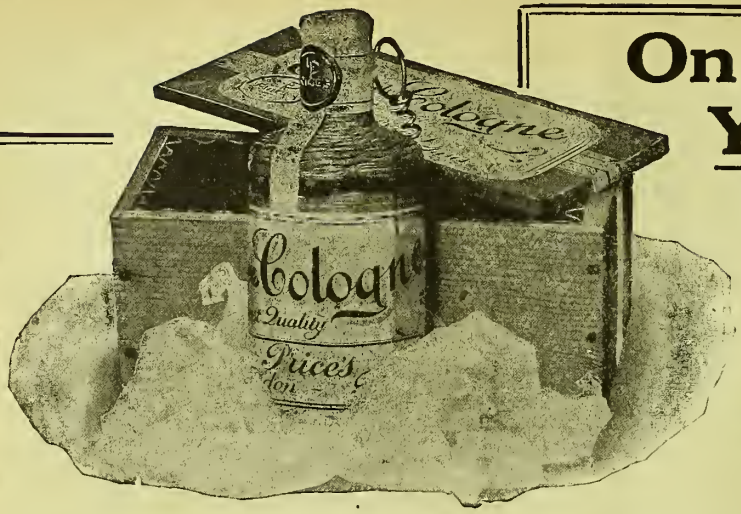

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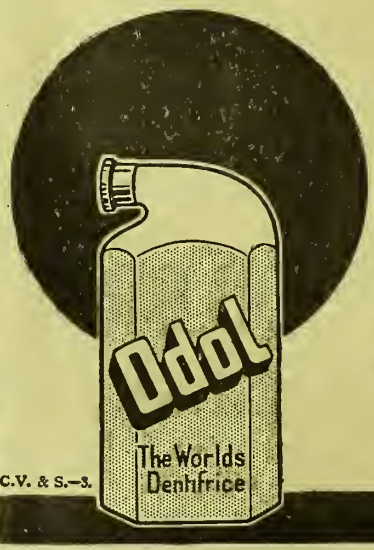

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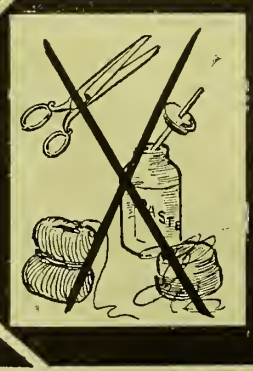
Full Tariff and Testimonials on application.

Telegraphic Addresses { Kingsley Hotel, "Rookcraft London." Thackeray Hotel, "Thackeray London."
Telephones: Museum 1282, Museum 1280.



NO PASTE, NO ADHESIVE, NO STRING, NO ELASTIC, NO SCISSORS,
are required for
SEMREH
BOTTLE CAPS
They are
SELF-FIXING.
DETAILS FROM
THE VISCOSE
Development Co., Ltd.,
BROMLEY, KENT.

Important Notice

AS HAS BEEN ANNOUNCED

in the Protected List of THE P.A.T.A.
the MINIMUM RETAIL SELLING PRICE of

Kutnow's Powder

IS NOW 2/9 PER BOTTLE (FACE VALUE)

This yields a considerable increase of profit to chemists, nevertheless Messrs. KUTNOW are keeping to their wholesale price, as hitherto, in spite of the enormous rises in the cost of all the materials, bottles and everything else in connection with the manufacture of KUTNOW'S POWDER. In view of the above facts, Messrs. KUTNOW trust that both the wholesale and retail trade will co-operate with them in creating a still greater demand for KUTNOW'S POWDER, and that no substitutes for KUTNOW'S POWDER will be offered to the public in future.

What The Trade Think

A SENSIBLE ADJUSTMENT

The general opinion of the Retail Trade was graphically expressed (when the intended change was announced) in one word—"GOOD!" As the new arrangement is so strongly endorsed by the Trade, Messrs. Kutnow will appreciate the co-operation of the Trade by their carrying a good stock of Kutnow's Powder and making a Window Show of it. Please fill in the adjoining coupon.

SEND THIS COUPON FOR SHOWCARDS & COUNTER BILLS

To S. KUTNOW & CO., Ld.,
41 Farringdon Road, London, E.C. 1.

Please send me Showcards and Counter Bills, carriage paid.

NAME.....

ADDRESS.....

.....

"Chemist & Druggist." Aug. 4, 1917.

S. KUTNOW & CO., Ld., 41 Farringdon Road, London, E.C. 1.

Aquaperia
(Harrogate)

Special Export F.O.B. quotations, including packages.

P.A.T.A.

The Chemists' Aperient Mineral Water,

supplants Hunyadi Janos, Apenta and enemy waters of similar character.

Bottled and Standardised by CAMWAL Ltd. at their spring,

HARROGATE.

ALTERATION IN PRICES.

8/- per Doz. 7/6 per Doz. in 6 Doz. lots.

Carriage Paid on 2 dozen and upwards.

Minimum Retail Prices to the Public, 1/- per Bottle (P.A.T.A.)

1/6 per doz. allowed for empty bottles returned Carriage Paid to our Factories.

SPECIAL ALLOWANCE FOR WINDOW DISPLAYS.

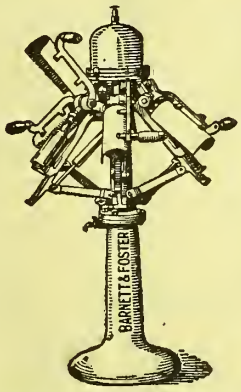
Of all Wholesale Houses, and

CAMWAL Ltd. Harrogate, Manchester, Birmingham, Bristol, Mitcham, London, and Depots.

Crowning Machines

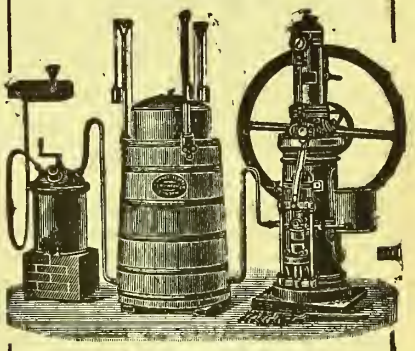
Foot, hand, and power operated crowners for all outputs. With and without Automatic Feed.

"Roundabout" Fillers



For all bottles. Fill on our back-pressure system and save 50 per cent. in working costs. Nine sizes, hand and power.

"Niagara" Soda-water Machines



Capacities from 100 to 6,000 doz. of 10-oz. bottles per day. Supplied complete with gas-work and automatic saturating cylinder. The best machine for export.

Everything for Bottling

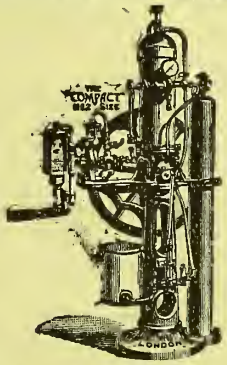
BARNETT & FOSTER,

ENGINEERS,

Dept. N1, Eagle Wharf Road, LONDON, N.1 ENGLAND.

Latest Lists Post Free Anywhere.

"Compact" Soda-water Machines



For use with liquefied carbonic acid gas. A complete mineral water plant, comprising soda-water machine and one or two fillers on one base. Easy to instal, simple to operate. Outputs up to 1,200 doz. bottles per day.

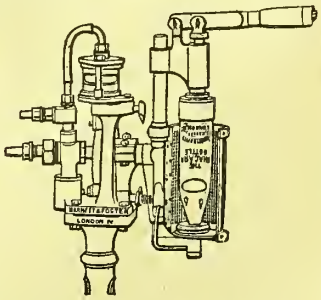
Syphon Fillers

Small and large, hand and power, machines. Can be supplied to fill on our back-pressure system.

Bottles & Syphons

We can always supply codd, crown, cork, swing or screw stoppered bottles in all sizes, also our "London Made" syphons with pure tin tops.

Turnover Fillers



Our famous "Ideal." With this machine a lad can fill and syrup 80 dozen large bottles per hour.

No. 163.

THE MOST ECONOMICAL INFANTS' FOOD.

TRADE MARK "FRAME FOOD"

ON P.A.T.A. LIST. SHOWCARDS FREE.

FRAME FOOD CO., Standen Road, Southfields, London.

LIQ. SANTAL FLAV. c. BUCHU et CUBEBA

(Hewlett's)

Price 11/- per lb. Packed for dispensing only, in 10, 22, 40 and 90 oz. bottles.

"Experience has shown this preparation to possess the same efficacy as Santal Oil itself. It mixes clear with water, and has a taste by no means disagreeable."

The Practitioner.

VIROPHOS TRADE MARK

Of proved utility in Nervous Diseases, and a Powerful Restorative for the Digestive Organs and Nervous System.

A Valuable Tonic Food for Children.

"It is of high nutritive value, enhanced by the presence of assimilable phosphates."—*The Lancet.*

Wholesale Prices:

No. 1. 1½ oz. Tin ... 9/- per doz.
" 2. 3½ " " ... 14/6 "
" 3. 6½ " " ... 24/- "
" 4. 13 " " ... 42/- "

Introduced and prepared only by

MIST. PEPSINAE CO. c. BISMUTHO

(Hewlett's)

Price 11/- per lb. Packed for dispensing only, in 10, 22, 40 and 90 oz bottles.

"Obviously likely to be of much advantage in the frequent cases of irritative dyspepsia, with atony of gastric or intestinal muscular layers."

British Medical Journal.

C. J. HEWLETT & SON, Ld., Wholesale Druggists, 35-42 Charlotte St., LONDON, E.C.2.

"Prana" Sparklets.

NOTICE TO THE TRADE.

MESSRS. AERATORS, LTD., regret that it has been, and will be for some time yet, impossible for them to meet demands for the "Prana" Sparklet Syphons and Bulbs, not only owing to other urgent war work, but also to the restricted supply of materials and the large demands (which must be considered preferentially) by the Expeditionary Force Canteens, Red Cross Society, &c. &c.

As regards "D" Bulbs, for the time being it is only possible to refill empty bulbs returned, and the Company request the co-operation of the Trade in the return of as many empties as possible for refilling.

AERATORS LTD.,
"Prana" Sparklet Works,
Upper Edmonton, N.

HONEY HONEY

"JOYBELLS" HONEY.

The choicest and most delicious honey procurable. Screw-top Glass Jars, 15/- and 9/- per dozen. "Joybells" Honey in Red Earthenware Pots, 14/- per dozen; in bulk, 1/2 per lb. Tins charged and returnable.

The Institute of Hygiene state: "We are satisfied that 'Joybells' Honey is a genuine product, possesses the distinctive flavour imparted to bee honey, and is a most pleasant & wholesome article for general table use."

"SUMMERLAND" HONEY.

Equals that usually sold as Finest Clover Honey. Screw-top Glass Jars, 14/6 and 8/3 per dozen. In bulk, 1/1½ per lb.

"SWEET FLOWER BELL" HONEY.

Fine quality. Tie-over Red Terra-Cotta Pots, 13/- per dozen. In bulk, 1/1 per lb.

BEESWAX. Choice quality 2/6 per lb.; 1-oz. Moulds 2/- per dozen. Samples 3d.

Standard Health Food Co. (*With which is incorporated The Berkshire Honey Co.*)

Honey Specialists - - READING, BERKS.

Dr. Allinson's Food Preparations

FOR ALL AGES AND CONDITIONS OF HEALTH AT FIRM AND PROTECTED PRICES.

Food for Babies, Prepared Barley, Brunak, N.-F. Cocoa, Biscuits, Soup, Wholemeal, &c.

See Trade Mark "T. R. Allinson" on all our goods—None Genuine Without.

SPECIAL NOTICE.

We issue a list of WHOLESALE HOUSES who keep above in stock; if for any reason you have difficulty in obtaining supplies, please send postcard direct to us, and a list will be sent to you by return.

NATURAL FOOD COMPANY, Ltd.,
Cambridge Road, Bethnal Green, LONDON, E.

All advertising matter—Booklets, Window Displays Showcards, etc., free on application.

N.B.—Our goods are to be sold only at prices stated upon the Price List we issue to the trade, and we are pleased to exchange any article which may be out of condition.

LIQUID GLUCOSE

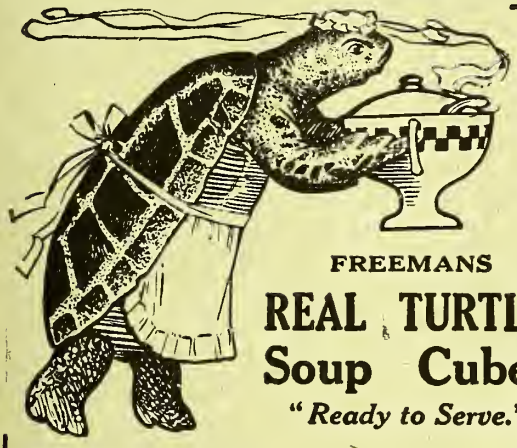
SO_2 Free.

NO BLUEING USED.

Specially pure for Pharmaceutical Preparations.

THE MANBRÉ SACCHARINE Co., Ltd.,

HAMMERSMITH, LONDON, W. 6.



FREEMANS

REAL TURTLE Soup Cubes

"Ready to Serve."

Made from the real rich meat of selected West Indian Turtles—so that real Turtle Soup, once the privilege only of the rich, is now a delicacy easily accessible to every household. No other soup is so nourishing and delicious.

Made in a minute with boiling water.

To retail in 1/- Cartons containing 4 Cubes,

THE WATFORD MFG. CO., LTD., *Makers of* Freemans Table Dainties Boisseliers (Boy-sel-e-a) Chocolates and Vi-Cocoa, Victoria Wks. Watford

Freemans READY SOUPS Watford

MASON'S EXTRACT of HERBS

The most Refreshing, Delightful, Exhilarating, Health-giving, Economical, Thirst-quenching Beverage in the World.

THE CHEAPEST HARVEST DRINK.

MANUFACTURERS:

NEWBALL & MASON

NOTTINGHAM.

PERFECTION
IN
PACKED GOODS

For the Autumn

Fig. 1. Midge Cream

A highly successful pink cream, proof against attack from any insect. In slotted tubes, which look and are full value. Labelled in pink and green, decorated with gold. Small card for displaying one tube with all one dozen orders complete in box.

Per doz. **4/6**

Hair Pomade (Regnas)

For preventing scurf during hot weather you can recommend no finer Pomade. We introduced this line in July 1916, and have been manufacturing at high speed ever since. In 3-oz. B.W. corked bottles, wrapped and labelled as illustration. Show-card with all orders if asked for.

Per doz. **7/6**

Sangers

H.SANGER. E.SANGER.
A.PULFORD. S.H.CARR. F.J.SMITH.
H.F.SMITH. E.A.SMITH.

258 EUSTON RD., LONDON, N.W. 1.

You will have more capital available if you use "

'WELLCOME' BRAND
(Trade Mark)

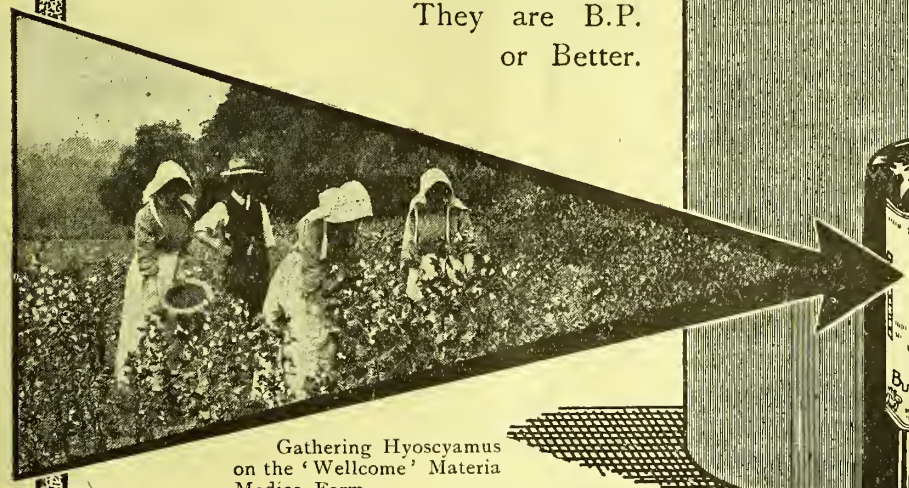
Concentrated Tinctures.

Because they do not lock up your money in S.V.R.

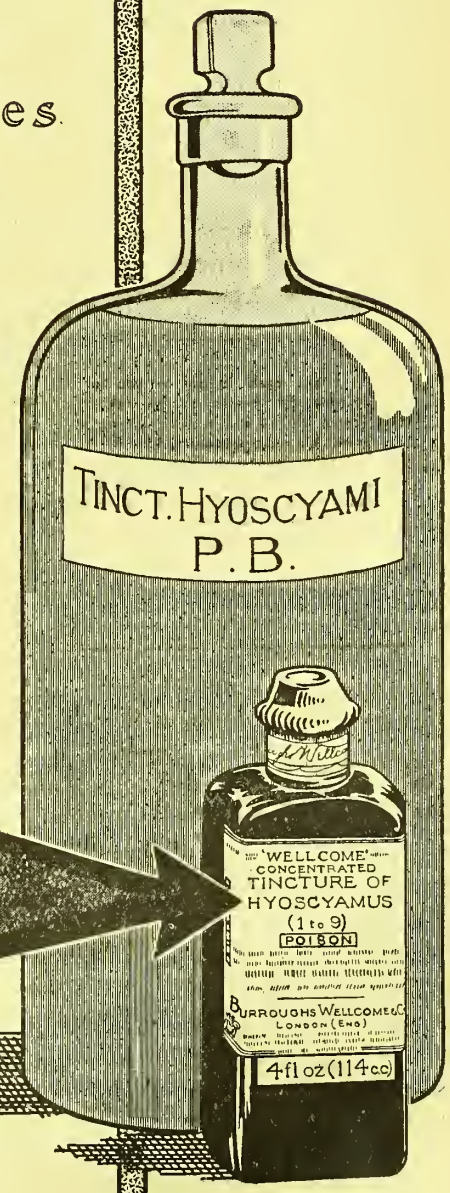
You have some gallons of alcohol in the form of tinctures in stock. They represent idle money.

Why let it go on?

Use 'Wellcome' Brand Concentrated Tinctures and dilute them as you dispense them. They are B.P. or Better.



Gathering Hyoscyamus on the 'Wellcome' Materia Medica Farm



British-made from British Henbane

Prices on application

BURROUGHS WELLCOME & CO.
LONDON

G 792 COPYRIGHT

Esvach Water is not a "mushroom" product—it has a fifteen-year-old reputation, and is now firmly established in public favour.

EXTRACT FROM A LETTER TO A PHARMACIST :: FROM HIS CUSTOMER ::

"I am much obliged to you for drawing my attention to the Esvach Water, which I find in every way quite as suitable and efficacious as * * * * * * [a leading Hungarian Water]. I am sending back the second bottle of the latter which you supplied; please send me two of Esvach instead. I shall recommend the Esvach Water."

STOCK ESVACH WATER

RETAIL, P.A.T.A. 1/-

PER DOZEN. 7/-

Empty bottles credited at 2/- per dozen.

An attractive coloured Show-stand (as illustrated) and other advertising material supplied free on request, also miniature sample bottles for medical men and others.

THE BRITISH DRUG HOUSES, Ltd.,
Graham St., City Rd., London, N.1.

THE CHEMIST AND DRUGGIST

A Weekly Journal of Pharmacy and of the Chemical and Drug Trades.
ESTABLISHED 1859.

The CHEMIST AND DRUGGIST is in circulation and reputation the leading journal addressing the Chemical and Drug trades in the British Empire and other countries in the Old and New Worlds. It is the official Journal of many Chemists' Societies in Australia, Ireland, New Zealand, South Africa, and the West Indies.

SUBSCRIPTION RATES.
Twelve Shillings and Sixpence a year in advance, post free to any part of the world, including a copy of *The Chemist and Druggist Diary* next published. Subscriptions may begin any month. Single Copy, 6*d.*; Summer or Winter Number, 1s.; *Diary* 3s. 6*d.* Postal orders and cheques to be crossed "Martin's Bank (Limited)."

Prix de l'abonnement annuel: le journal une fois par semaine, et l'agenda une fois par an, 12s. 6*d.*, franco.

Подписная цѣна на еженедѣльный журналъ съ приложеніемъ Годового Дневника—12 шиллинговъ 6 пенсовъ на годъ съ пересылкой.

Precio de suscripción anual: el periódico una vez por semana, y el agenda una vez por año 12 ch. y 6 peniques, franco.

Terms for advertising in THE CHEMIST AND DRUGGIST can be obtained on application to the Publisher at the
Head Office: 42 CANNON STREET, LONDON, E.C. 4.
Telegrams: "Chemicus, Cannon, London." Telephone 3617 Central (three lines).
Branches: ADELAIDE, MELBOURNE, AND SYDNEY, AUST.

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Trade-marks Applied for.

The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration, see "The Chemist and Druggist Diary," 1917, p. 220.

(*From "The Trade-marks Journal," July 11, 1917.*)

Circular device including words "Sum" and "The Great Healer" ("Sum" disclaimed); for an ointment (3). By W. & S. Drummond, 72 Cambridge Street, Glasgow West. 378,027.

"Kalmine Metadier"; for a medicine (3). By P. E. Métadier, 53 Rue Nationale, Tours. 378,347.

"Kalone"; for disinfectant sprays, etc. (11). By G. W. J. Allen, 15 Victoria Park, Fishponds, Bristol. 378,060.

"Eidyl"; for surgical instruments, etc. (11). By Lydia Anderson, "Carisbrooke," Stanley Road, Stoneygate, Leicester. 378,532.

Circular device of man's head showing brains, surrounded by words "Kosmo Nerve & Brain Food"; for farinaceous foods (42). By P. E. Hurst, 2 Birdhurst Road, South Croydon. 378,494. (Associated.)

"Pastol"; for perfumery, etc. (48). By Naamlooze Vennootschap Eau de Cologne Fabriek Voorheen I.C. Boldoot, Langestraat 51, Amsterdam. 376,677.

"Fleur Jetee," "L'Aubade," and "Un Soir Viendra"; for perfumery, etc. (48). By The Standard Tablet Co., Ltd., Hove. 378,006/009/014.

"Grisette"; for perfumery, etc. (48). By C. Thomas & Brothers, Ltd., Bristol. 378,149.

"Sanitura"; for all goods (48). By J. H. Bateman, 6 Great St. Helen's, E.C. 3. 378,199.

"Nowonna" on oblong label; for toilet-creams, etc (48). By R. Hepworth, 84 Scotswood Road, Newcastle-on-Tyne. 378,201.

European War News.

Import and Export Notices.

Russia.—The Russian Government has made the following provisional alterations, comprising repeals, modifications, and amplifications, in the regulations regarding imports to Russia: (1) Goods are allowed to be imported only on the authority of the General Administration dealing with imports from abroad or of the Ministry of Commerce and Industry. (2) Goods which have not been so authorised are liable to confiscation. (3) Goods confiscated are to be at the disposal of the Ministry of War. (4) It is the duty of the Ministry of Commerce and Industry, in agreement with the competent Ministers, to draw up a list of goods which are not to be affected by the present decree. (5) This decree to come into force from the day that the Customs authorities receive telegraphic notice to that effect, but it will not apply to consignments which are shown by the bills of lading, way-bills, or port permits to have been despatched within three weeks from the day on which this decree is published.

Personalia.

Pioneer J. F. White, Royal Engineers, has been admitted to hospital in France suffering from a gunshot-wound in the left leg. Pioneer White is a chemist and druggist, and a partner in the firm of J. F. White & Co., Benson Street, Leeds.

Lieutenant (Acting Captain) William F. C. Radford, Adjutant Royal Scots, has been awarded the Military Cross. Lieutenant Radford, who is twenty-four years of age, is son of Mr. Geo. Radford, general manager of Boots, Ltd., Edinburgh.

Mr. R. W. Wren, son of Mr. R. C. Wren (Potter & Clarke, Ltd.), has been gazetted second-lieutenant to the Essex Regiment. Mr. Wren has been through the Somme fighting as a private with the Queen's Westminsters, and was recommended by his officers for a commission.

Lieutenant A. Broadfield Cohen, West Yorks Regiment, son of Professor J. B. Cohen, Professor of Organic Chemistry and Dean of the Faculty of Science at Leeds University, is in hospital abroad suffering from serious wounds. He was a student at the University and a cadet in the O.T.C. prior to the war.

Lance-Corporal J. Meadows, Wiltshire Regiment, reported missing a few weeks ago, has written to his home in Bury that he is wounded and is a prisoner of war in Germany. Before the war he was an apprentice with Boots, Ltd., Radcliffe. He enlisted in September 1914, and saw service at Suvla Bay before being drafted to France.

Mr. R. B. Merson, who has been gazetted second-lieutenant in the Gordon Highlanders, is in his twenty-first year, and enlisted as a private in the 9th Royal Scots (the Dandy Ninth) early in 1915; was transferred to Machine-Gun Corps, and served with that arm in France, where he was wounded on the Somme in August 1916. He is only son of Mr. G. F. Merson, F.C.S., F.R.S.E., 7 Meuse Lane, Edinburgh, and 140 West George Street, Glasgow.

Temporary Second-Lieutenant E. D. Barclay, Worcestershire Regiment, who has been awarded the Military Cross, is the youngest son of Sir Thomas Barclay, Uplands, Blackwell. He is twenty-one years of age, and was at Cambridge University when the war broke out. He joined the O.T.C., and received his commission in December 1914, and saw service with his regiment last year in Mesopotamia, where he was attacked by typhoid fever, and was invalided home in the autumn. In the spring of this year he was sent to France, and had been there only six weeks when he was severely wounded, and as a consequence one of his legs has been amputated. He is at present in hospital in London.

Second-Lieut. E. D. Barclay.

The act for which he won the Military Cross is thus officially described: "For conspicuous gallantry and devotion to duty when in charge of a fighting patrol. When outnumbered and compelled to withdraw, he personally covered the retirement with bombs. He afterwards attacked a hostile machine from twenty yards range with a Lewis gun, putting it out of action. His conduct throughout was most gallant and fearless, and a splendid example to all ranks."

English and Welsh News.

The Editor would be obliged if subscribers would send him marked copies of newspapers containing items of interest for insertion in this or other news sections of the "C. & D."

Progressive Pharmacy Club.

The new Club for pharmacists which has been founded under the above title was opened for the members on August 1. It is situate at the Arundel Hotel, Victoria Embankment, London, W.C. 2, which is just outside the Temple Station on the District Railway. The club-room is a large one on the basement floor, and is reached from stairs immediately to the right of the entrance-hall of the hotel. At the time of our visit on August 1 it was raining hard, and naturally the surroundings did not look at their brightest, but there is no doubt that the Club is conveniently situated, and can be easily reached from various parts of the Metropolis. The auspices are good. Let us hope that the foundation of the Progressive Pharmacy Club marks as great a push against apathy in the drug-trade as the British troops made against the German hordes on the previous day.

Guardians' Affairs.

Lewisham Board of Guardians reports that a deputation from the district medical officers of the Union has attended before the Committee respecting the increased cost of drugs supplied to the outdoor poor. The Committee have directed the Deputy-Clerk to make inquiries as to the methods of supplying drugs adopted by the various Metropolitan Boards of Guardians, and to furnish a report for the Committee's consideration at their next meeting.—The medical officer of the West Hull Clinic reported to the Hull Corporation Health Committee that many mothers attending that Clinic have been in the habit of obtaining supplies of "Cow and Gate" milk at reduced prices on presenting coupons. The chemists will no longer supply this food on those terms. The matter was left to the medical officer, who is to use his discretion in the supply of food asked for.

Birmingham.

Shenstone Court, which was offered by auction last week, was not sold. The highest bid was 12,500*l.*

The salary of the Birmingham Insurance Clerk, Mr. J. W. Parrott, has been increased from 500*l.* to 550*l.*, the same as paid at Glasgow and Liverpool.

Mr. H. A. Thomas, son of Mr. Thomas, of Bellamy & Wakefield, chemists, Easy Row, has passed the London Matriculation examination of June last.

Anderson & Whitelaw, surgical-instrument makers, Broad Street Corner, have made an effective alteration in one of their enclosed windows; by aid of mirrors and fancy glass the display is enhanced.

Among the works visited by the Society of Chemical Industry last week were those of Chance & Hunt, Oldbury. The visitors included Messrs. A. W. Southall, E. W. Mann, and Harry Silvester.

The sale of Bordeaux mixture for potato-spraying is promoted here by the display of large window-placards. The frequent questions submitted to the pharmacist on agricultural and horticultural chemicals indicate the wisdom of giving these goods prominence.

Lieutenant-Colonel J. E. H. Sawyer, son of Sir James Sawyer, M.D., has been appointed Administrator of the 1st Southern General Hospital. His brother is a barrister, and is, during the war, acting as Quartermaster-Sergeant of the Colmore Road Council Schools Military Hospital, where Mrs. B. Shamman acts as the dispenser.

Under the will of Sir Charles Holcroft, Bart., the Birmingham University is to receive 5,000*l.* to establish a "Charles Holcroft Research Fund," the income of which is to be applied to promote and encourage research-work in any of the following subjects: Chemistry, physics, zoology, botany, geology, engineering, mining, and metallurgy.

Under the machine system of obliterating stamps on letters it is desirable to place the stamps high up on the right-hand corner or write the addressee's name low down on the envelope, otherwise the address stands a chance of being obliterated and the message returned "Address not distinct," as has happened to the writer several times lately.

Liverpool.

Hanover Street, like other thoroughfares with German associations, may not improbably undergo a change of name. There might be a distinct trade advantage in such appellatives as "Chemistry Street," "Laboratory Lane," and "Galen Road."

The Bardic silver crown presented by Sir Edward Evans for competition at the Birkenhead Eisteddfod in September has been completed, and Sir Edward has consented to its exhibition in a Bold Street window.

Wallasey and district pharmacists, almost in a body, have formed the "Truval" Syndicate. Its chief object is associated buying, but the Syndicate has already given a considerable order for the manufacture from its own formula of a packed proprietary article. The experiment has attracted much interest.

Backing up a private effort (noted in the *C. & D.* of July 14), the Mayor of Bootle has issued an appeal to all shopkeepers to close for at least two days (Monday and Tuesday) in August Bank Holiday week. Pharmacists stand alone in not being in a position fully to comply, but they can share, unless a branch post-office is attached, in the longer daily interval (1 to 2.30).

In most pharmacies the pharmacist's certificate is relegated to a position behind the counter and near the ceiling, where it cannot be said to be effective. As a new departure locally a pharmacist in the central area has placed in the centre of his window a framed statement that the proprietor is a pharmacist, one of those alone empowered by the Act of 1908 to use the title. The public need this kind of education.

The Lord Mayor of Liverpool (Mr. Max Muspratt) shortened his holiday in order to be at the Town Hall on August 1 for the inauguration by Lord Parmoor of a Commercial Library. The new institution opens its doors with an up-to-date collection of directories, dictionaries, commercial Blue-books, maps, trade journals, and commercial catalogues. It has been housed in the same wing of the Exchange Buildings as the Chamber of Commerce. The scheme, which embraces the attendance of foreign translators, received an impetus from a letter addressed to the Press by Mr. W. H. Saunders (Ayrton, Saunders & Co.), who perceived the importance of such a library in the fierce commercial competition that must follow the declaration of peace. The invitations to the opening function included representatives of the wholesale and the retail branches of pharmacy.

Sheffield.

Mr. H. Burdall has secured exemption until December 31 at the Sheffield local Tribunal.

The payment of 728*l.* 1*s.* 1*d.* has been ordered to be made for the balance of May and payment on account for June for Insurance dispensing.

Mr. A. R. Fox, who has been in training at Blackpool with the R.A.M.C., has been drafted to the 1st Western General Hospital at Liverpool as dispenser.

A National Association of Industrial Chemists, whose members are to be workers in chemical-factories, has been founded at Sheffield.

The yearly expenditure on drugs and dressings for the Sheffield Union has increased from 1,913*l.* prior to the war to 2,967*l.* during the past year; dressings alone account for nearly 500*l.* increase.

Mr. A. H. Culverhouse, who has been elected President of the local Association, is known to fame as the winner of a hundred-yards race open to all over seventeen. He is at present on holiday in North Wales.

Committees are being formed locally for business after the war by the new Reconstruction Department of the Board of Trade. The local chemists have made application to the Minister in charge for representation on any Committee which may be appointed in Sheffield.

The Insurance Commissioners have appointed Major Hall, M.D., F.R.C.P., a member of the Sheffield Committee. Some years ago, before the local Society, Dr. Hall advocated placing diachylon on the Poison Schedule, and, as a result, many pharmacists discontinued the sale.

Mr. Kilburn Scott, at a lecture in Sheffield, pointed out the danger of being dependent on Chili for nitrate and sulphuric-acid supplies, and suggested that the ammonia from coke-ovens should be converted into nitrate instead of sulphate by weak acid, which could be produced from air in arc-flame furnaces with energy generated by surplus gas or waste heat from coke-ovens.

A lecture by Dr. W. E. S. Turner, of Sheffield, Hon. Secretary of the Society of Glass Technology, was given in Manchester on "The Action of Chemical and Physical Agents on Some Types of Scientific Glass-ware." He remarked that after two years' experience they no longer used substitutes for German articles, but were actually manufacturing articles better than the Germans' best. Dr. Turner pointed out that the effect of chemical agents upon

such things as medicine and beer bottles is that when the former are "well shaken" according to the doctors' instructions the patients may drink something more than was intended. It has been contended that green bottles should not be used, as they are less able to resist the action of chemical agents than amber-coloured bottles.

Miscellaneous.

Food Controller's New Offices.—Palace Chambers, Bridge Street, Westminster, are to be taken over by the Government as the offices of the Ministry of Food.

Fires.—A small fire occurred on July 24 on the premises of Mr. B. M. Stoakes, Ph.C., Whitefriargate, Hull.—A fire broke out on a goods-train travelling between Birmingham and Manchester, and a large quantity of chemicals was destroyed. The cause of the outbreak appears to have been engine-sparks.

Attempted Suicide.—At Morecambe on July 20, a waitress named Latham was sent for trial on a charge of attempting to commit suicide by means of salts of lemon. The poison, it was stated, was obtained at Waddington's Drug Store.

Volunteer Movements.—The United Rifles (Pharmacists') Company will parade at the Imperial College Union, South Kensington, on August 5, at 10 a.m., for drill, but those going to Tadworth Camp will parade at Charing Cross Station at 9 a.m. On August 8 and 9 there will be drills at headquarters.

Closing Order.—An application to the Lancashire County Council by the Urmston chemists for a closing order has been abandoned. The chemists asked that the closing-hour on Saturdays be 9.30 p.m., which is later than the time at which they are compelled to close under the Defence of the Realm Regulations.

White Bread for Invalids.—Applications from invalids for permission to purchase white bread must be made direct to the Food Controller, Grosvenor House, London, W. 1. The applicant is then given a form, upon which a medical man certifies that the superior flour is essential. The name of a miller willing to manufacture the flour is also given.

Chemical-works Fatalities.—John Nuttall, employed at the chemical-works of Levenstein, Ltd., Blackley, Manchester, on July 26 fell into a pan of boiling liquid, and was found to be dead when his body was recovered.—W. A. Fleet, employed at Messrs. McKechnie's chemical-works, Widnes, was last week killed by being drawn into machine shafting.

Cocaine Solution.—The Home Secretary gives notice that the permission granted to persons *bonâ fide* engaged on July 28, 1916, in practising dentistry, but not registered under the Dentists Act, 1878, to purchase preparations containing not more than 1 per cent. of cocaine, for use solely as local anæsthetics in connection with dental work, has been extended until further notice.

Eau-de-Cologne Fire.—A Highgate servant placed a bottle of eau de Cologne in the oven for the purpose of removing the stopper, which had become fixed. The bottle exploded when the door of the oven was opened; the spirit caught fire and ignited her clothes, the burns resulting in the death of the woman. A verdict of "Accidental death" was returned at the inquest.

The Barratt Collection.—At the sale of the old colour-prints of the late T. J. Barratt, of Bell-Moor, Hampstead, at Sotheby's, on July 31, Morland's "A Party Angling" and "The Angler's Repast," a pair, engraved respectively by Keating and W. Ward, fetched 600*l.* Thomson's "The Seasons" (twenty-one engravings), after Hamilton, by Bartolozzi and P. W. Tomkins, 600*l.* The total for the seventy-four lots of colour-prints sold during the day was 9,896*l.* 5*s.*

The Use of Heroin.—At Marlborough Street Police Court on August 1, a woman named Platt, who was committed for trial on a charge of stealing jewellery, was stated to have taken large doses of heroin. Mr. Gill, who represented prisoner, said that she had paid 38*l.* 10*s.* for heroin obtained during June from Dr. Reginald Nitch-Smith, 10 New Bond Street, London, W., who, in the witness-box, stated that he obtained the drug from a chemist who charged him 1*s.* or 1*s.* 3*d.* per tube.

Business Names.—At Bow Street Police Court on July 27, a man named Hamilton was charged with making false returns under the Registration of Business Names Act. Hamilton, whose name was formerly Hafner, did not disclose this fact on the registration application-form which he sent in regarding his stockbroking business carried on as Hamilton & Co. He was sentenced to three months' hard labour. A woman named Povey, who was also charged in connection with the same matter, was bound over in the sum of 10*l.* to come up for judgment if called upon.

Sulphate-of-Copper Prices.—The Director-General of Food Production informs us that the arrangement for the sale of sulphate of copper for home consumption for agricultural purposes at the price of 50*l.* per ton in quantities of not less than 2 cwt. f.o.r. at maker's works ceased as from the end of July. Representations have been made that the retail price of 6½*d.* per lb., which was recommended in March last, is now too low for small quantities. The Food Production Department does not think that 8*d.* per lb. is an excessive price for sulphate of copper in England and Wales.

Poisonings.—The cases reported during the week include the following: At the adjoined inquest at Hull regarding the death of a grocer named Lee, who died after being given a barium-sulphate "meal" previous to *x*-ray examination, it was stated that tartar emetic had been administered in place of barium sulphate. Mr. B. M. Stoakes, Ph.C., who supplied the drug, said it had been in stock for over thirty years. A verdict of death by misadventure was returned.—At Marylebone, London, on July 26, a private of a Canadian battalion, named Hawkins, was found to have poisoned himself with morphine, which he had been in the habit of taking for four years.—At Worthing a nursing-home patient named Balston poisoned herself with carbolic acid while suffering from cancer.—At Bradford a woman named Morgan was accidentally poisoned by carbolic acid, which she took in mistake for black beer.

Irish News.

Brevities.

Mr. J. N. Hardy, Ph.C., a reference to whom appeared in the *C. & D.*, July 28, p. 36, is life-chairman of Hoyte & Son, Ltd., the owners of the City of Dublin Drug Hall.

At Killiney, recently, Mr. W. B. Conyngham, Ph.C., Monkstown, co. Dublin, succeeded in rescuing two visitors who were in danger of drowning. His action was much applauded by those who witnessed it.

Dr. J. J. O'Sullivan, The Mall, Mayor of Waterford and proprietor of O'Sullivan's Medical Hall, Waterford, is one of the delegates of the Irish Convention, which opened its deliberations on July 25 in the Regent's House, Trinity College, Dublin.

Mr. E. K. Conyngham, third son of Mr. Henry Conyngham, Dublin, who has received a commission in the Royal Engineers, is in France engaged in railway-construction work. He was formerly for several years locomotive superintendent of the Borneo State Railway, and since then in the R.N.V.R.

Scottish News.

Brevities.

Duncan McGregor, described as a chemist from Airdrie, lost his life on July 21 while bathing at Spittal.

The collection of red-poppy petals in Fifeshire by school-children is suggested. This year's display of the scarlet bloom is an unusually fine one.

Miss Agnes A. Raffan, daughter of Judge Raffan, chemist, Stirling, has been appointed interim assistant in the classical department of Stirling High School at a salary of 100*l.*, with 10*l.* war bonus.

Damage estimated at 20,000*l.* was caused by fire in premises at Aberdeen belonging to Isaac Spencer & Co., oil- and ship-leather merchants. Forty large tanks of cod-liver, medicinal, tanning, and other oils were destroyed. [The company write to say that it is possible that the numerous orders on hand may be delayed for a short time, but the business will be resumed so soon as possible.—Ed.]

Chemists on the East Coast have found the last week or two of brilliant weather highly favourable for business. One pharmacist doubled his previous record during two successive weeks, and it is reported that skin-creams and tooth-pastes are in brisk demand among holiday-makers. Photographic films sell very rapidly; and the development of negatives more than fills the spare moments.

Edinburgh.

A pharmacy in the New Town is placarded, "Closed for the Duration of the War."

The new bureaus for panel patients appear to be working smoothly. Chemists in their immediate neighbourhood naturally receive more panel scripts than formerly.

South African News.

(From "C. & D." Correspondents.)

"The Chemist and Druggist" is supplied weekly to members of all the Chemists' Societies in South Africa.

The late Mr. Petersen.—The funeral of the late Mr. D. K. Petersen took place on June 10 at St. John's Cemetery, Wynberg, in the presence of many mourners, among them being Messrs. J. Sowden (Vice-President Pharmaceutical Society of the Cape), R. Kemp (representing the P.A.T.A. of South Africa), Thos. H. Lewis, Rivett, Gardner Hopkins, Silvertsen, Howard, and Ferguson, besides many of the employés of Petersen, Ltd.

March Imports.—During March the imports of drugs, chemicals, and apothecaries' wares amounted in value to 90,643*l.*, against 72,532*l.* in March 1916, and for the three months they were 229,708*l.*, against 255,865*l.* Features of March trading included much larger imports of sodium cyanide—806,605 lb., against 570,192 lb. in March 1916. Medicinal preparations declined from 10,025*l.* to 8,228*l.*, and apothecaries' wares from 11,951*l.* to 6,632*l.* in March 1917.

Business at the Cape.—Retailers have little to complain of as to the state of business, the one and only anxiety being to procure stock. It is either a feast or a famine in certain lines. Wholesalers are husbanding their stocks, and small orders are the rule, the quantities being rigorously cut down by the suppliers. A good many lines the export of which is prohibited from Great Britain are already unobtainable in Cape Town, and the list increases as time goes on. The entry of the United States into the war will help to make matters worse in this respect.

Cape Pharmaceutical Society.—A general meeting was held in the Society's Room, Darling Street, on June 21. There was a very good attendance, Mr. D. L. Petrie (President) being chairman. A letter was read from the Town Clerk of Cape Town giving a list of the patent and proprietary articles the formulæ of which it was desirable to have printed on the labels or wrappers. It was agreed that the Town Clerk be written to and told that the members of the Pharmaceutical Society did not desire to take any action in the matter, as they did not think it was necessary to have the formulæ of any patent and proprietary medicines printed on the labels and wrappers. A discussion then took place on the cutting of the prices of "patents" in Cape Town. After several speakers had addressed the meeting it was recognised that nothing could be done to prevent the cutting of prices except through the medium of the P.A.T.A., and it was agreed that the Council draw up a list of the principal lines which were being cut and submit it to the Council of the P.A.T.A. with a request that the firms concerned be asked to place their lines on the protected list. A very interesting lecture by Mr. Crellin, of the Kodak Co., then followed.

Australasian News.

The Commonwealth.

Incompatibilities in Synthetics.—The Hon. Secretary to the Australasian Pharmaceutical Conference has issued a circular to the various Pharmaceutical Societies asking them to forward particulars of incompatibilities that have been noticed in synthetic chemicals.

Pepper.—New standards have been prescribed for black and white pepper imported into the Commonwealth, and any pepper not up to standard must bear a trade description showing the extent to which the goods do not comply with the standard.

Benzene-manufacture.—The Defence Department of the Australian Government proposes to erect plant for the production of benzene and toluene in the Commonwealth. The crude benzol to be treated will be obtained from the various Australian gas companies.

Prohibited Importation.—The Orders recently published prohibit the importation of "Cancerine," described also as "Cantassium," and it is stated that under "Oxygenopathy" the appliance described as the "Oxyhealer" is prohibited. Cowhage, electric snuff, and "Balkan" bombs, used for disturbing public meetings, may not be imported.

Victoria.

Sale of Strychnine.—The Pharmacy Board of Victoria is suggesting to manufacturers that this product should be packed in bottles rendered distinguishable by touch, as required by the Regulations under the Poisons Act. The price of strychnine has reached 9*s.* an ounce, owing to the great demand for poisoning mice.

Colonial and Foreign News.

Soap-cards have been issued in Austria, and all soap is to have the same sebacic-acid content (80 per cent.).

Alcohol cannot now be sold in Bulgaria to the public. Chemists' shops are allowed to obtain 10 to 30 litres per month.

Caustic Soda is very scarce in Bulgaria. The price last month was 35f. per kilo., but supplies were expected which were to reduce the price to a fifth.

Schimmel & Co., Miltitz, near Leipzig, deny the assertion that they have erected a sandalwood-oil factory in Spain, stating in the "Chem. Zeit." that the report spread by a Madras newspaper is false.

Cheap Lemons.—The "Pharm. Zeit." (June 23) states that lemons are being offered in such large quantities at low prices in Switzerland that it is probable the manufacture of citric acid will be undertaken.

Reciprocity between Allies.—Italy and France have already broken down the Customs barriers hampering free trade between the respective countries. Though only temporarily adopted, this is but a foretaste of reciprocity which will ultimately be adopted between all the Allies.

Saccharin Rumours.—Italian pharmacists are having some trouble in assuring people of the absolute innoxiousness of the State supply of saccharinated sugar. This contains saccharin in the proportion of 6 per 1,000. It has been proved by experiment not to have the slightest deleterious action, yet the usual rumours of its causing cancer are rampant.

Kauri-gum Oil in New Zealand.—According to a report by the U.S. Consul-General at Auckland, a company has been organised to extract kauri-gum oil from peat taken from the swamps in the northern part of the North Island, where kauri gum has been mined for many years. It is claimed that the peat yields 20 to 30 gals. of kauri-gum oil per ton, of which about 25 per cent. resembles petrol.

Salvarsan Patents in U.S.—Steps are being taken in Washington to obtain the suspension of the German patents on salvarsan. This action is fiercely opposed by Herman A. Metz, who represents Meister, Lucius & Brüning, the German owners of the patents. It has been shown to the Senate Committee on Patents that if the patents are abrogated salvarsan can be manufactured at a reasonable price. At present the Germans have raised the cost enormously.

Shoe-polish.—The retail prices of shoe-dressings have been fixed in Austria. The *Saponified cream* which is sold for the purpose contains 70 per cent. water, 12 per cent. mineral wax, 6 per cent. paraffin, 3 per cent. beeswax and potash, and 2½ per cent. each nigrosine and resin. *Unsaponified cream* contains 44 per cent. benzine, 20 per cent. oil of turpentine, 10 per cent. paraffin, 9 per cent. mineral wax, 3 per cent. colouring-matter, 1 per cent. each ceresine and beeswax, ½ per cent. carnauba wax.

Chemist-recruits in U.S.—The Governor's Recruiting Committee for the New York Drug-trade, composed of Messrs. William J. Schieffelin, S. W. Fairchild, C. O. Bigelow, and Caswell A. Mayo, inaugurated a campaign to assist in recruiting 10,000 volunteers for the National Guard. To further this work a recruiting-station was opened at 82 Fulton Street, in the heart of the drug section of Manhattan. One of the posters reads: "Volunteer; don't be a conscript. Conscripts have no choice. Volunteers can choose. Which do you want to join? The Medical Corps? The Artillery? The Cavalry? The Infantry? The Signal Corps? The Engineers? The drug-trade of New York must furnish 150 men. Will you be one?"

Labour Demands in Russia.—More pay and less work has been the immediate and universal demand of all the Unions; a six-hours day for mental workers is now the rule, and an eight-hours day for physical workers. The "Triugolnik" workers excelled themselves. This concern is one of the largest rubber-works in the world, whose trade-mark—a triangle—is known to all handlers of rubber sponges. After the revolution the workers claimed and received an all-round increase varying from 75 per cent. to 100 per cent., an extra month's pay at Christmas and Easter, an annual vacation, and sick-pay to six months. Then they made a demand on the directors that they must receive 15 copecks per man per day bonus (approximately 1*s.* per week), dating from the commencement of the war; this sum, amounting to several million roubles, to be paid in forty-eight hours, or the directors would be thrown into the canal. The directors requested the Minister of Justice to place them under arrest for their own safety, and also petitioned the State to take over the factory.

French News.

(From the "C. & D." Paris Correspondent.)

Les Parfums d'Orsay.—The Parfumerie d'Orsay, concerning which there has been litigation since the commencement of the war, owing to certain of the original proprietors having been of alien enemy origin, was sold by auction in Paris a few days ago. The sale took place at the offices of Maitre Vigier, notary, the upset price being about 65,000*l*. It is understood that the business has been bought by a syndicate of French capitalists, and will now take the title of the Compagnie Française des Parfums d'Orsay. In addition to the goodwill there are a retail shop at 17 Rue de la Paix, Paris, and a manufactory at Puteaux. There are also certain foreign branches, including the New York agency.

Paris Society of Pharmacy.—At the last monthly meeting, the President alluded to the loss sustained by the death of several members—M. Guérin, Professor of Toxicology at the Nancy School of Pharmacy; M. Balbiano, Professor of Pharmaceutical Chemistry at the University of Rome; and Mr. Peter MacEwan, Editor of The Chemist and Druggist. He also referred to the fact that Professor Lebeau had been nominated Chevalier of the Legion of Honour. M. Meillère offered some further observations on his method for indicating the presence of arsenic, lead, and mercury in liquids, etc., and added some remarks on the qualitative and quantitative tests for reducing-sugars in presence of a large excess of cane-sugar. M. Léger, when treating aleomodine by bromine, obtained (instead of the expected tetrabromide) the pentabromide derivative. He gave a brief description of the characteristics of this substance.

(*From the "London Gazette," July 27, 1917.*)

British Pharmacopœia, 1914.

Alteration and Amendment.

In pursuance of the *Medical Act*, 1858, and of the *Medical Council Act*, 1862, the General Council of Medical Education and Registration of the United Kingdom have caused to be altered and amended "The British Pharmacopœia 1914," printed and published for the General Council by Messrs. Constable & Co., Limited, 10 Orange Street, Leicester Square, London, W.C. 2, by the withdrawal from the same until further notice of the medicines and compounds, and of the directions for preparing them, set forth in the following Schedule; and the said medicines and compounds thereby cease to be included among the official preparations of "The British Pharmacopœia 1914" until further order respecting them is duly made according to law.

SCHEDULE.

The following are withdrawn until further notice, namely:

All Confectiones, *except* Confectio Piperis, Confectio Rosæ Gallicæ;

All Glycerina, *except* Glycerinum;

All Misturæ, *except* Mistura Cretæ, Mistura Ferri Composita, Mistura Olei Ricini;

All Syrupi, *except* Syrupus, Syrupus Chloral, Syrupus Codeinæ Phosphatis, Syrupus Ferri Iodidi, Syrupus Ferri Phosphatis cum Quinina et Strychnina, Syrupus Glucosi;

All Trochisci, *except* Trochiscus Krameriæ et Cocainæ, Trochiscus Morphinæ, Trochiscus Morphinæ et Ipecacuanhæ:

Also Caffeinæ Citras Effervescens; Decoctum Aloes Compositum; Extractum Gossypii Radicis Corticis Liquidum; Linimentum Potassii Iodidi cum Sapone; Liquor Calcis Saccharatus; Magnesii Sulphas Effervescens; Mel Boracis; Pulvis Amygdalæ Compositus; Pulvis Glycyrrhizæ Compositus; Pulvis Tragacanthæ Compositus; Sodii Citro-Tartras Effervescens; Suppositoria Glycerini; Tinctura Cardamomi Composita; Tinctura Kino; Tinctura Fruni Virginianæ; Tinctura Rhei Composita; Tinctura Sennæ Composita; Unguentum Iodi.

On behalf of the General Council,
Donald MacAlister,
President.

A. J. Cockington,
Acting Registrar.
44 Hallam Street, London, W. 1.
July 1917.

Military Tribunals' Decisions.

Barnes (Surrey).—Mr. Percy N. Turner, chemist and druggist, Glendower Road, who on re-examination had been relegated to the Reserve, was allowed to withdraw his application without prejudice.

Berks.—Mr. T. G. Stewart, chemist and druggist, East-hampstead, appealed against refusal of exemption to Mr. W. Sugden, but the appeal was rejected.

Boston.—At the Holland Appeal Tribunal an appeal was made on behalf of Mr. G. H. S. Payne, Ph.C., Old Leake, who is acting as dispenser to Dr. R. Tuxford. The military claim was rejected.

Bourne.—An appeal by Mr. Cyril H. M. Baxter, chemist and druggist, of Bourne, Lincs, was supported by Mr. E. Clark on behalf of the Kesteven Insurance Committee, and he was given until January 15, the Chairman observing it was on the ground that he was indispensable to the civilian population of Bourne, as his work for the Kesteven Insurance Committee is not sufficient to justify an exemption.

Colchester.—Mr. Curtis, farmer, Bromley Road, applied for temporary exemption for A. P. Curtis, his son, who was apprenticed to Mr. Baker, chemist, so that he could complete his indentures. The Tribunal dismissed the appeal, and recommended that the lad be not called up till September 1.

Deptford.—Mr. E. G. Gallop, chemist and druggist, has been granted three months' exemption, with leave to appeal again.

Eastbourne.—The military authority appealed for review in the case of an Eastbourne chemist. The case had been adjourned to find a substitute. The firm's representative said that if this man was taken they would probably have to close the pharmacy. They had advertised offering 4*l*. a week, but had been unable to find another man, and the military had been unable to supply a substitute. The military appeal was allowed to the extent that the man would be given two months, not to apply again without leave.

Henley-on-Thames.—Mr. A. Cartwright, chemist, applied on behalf of an apprentice named Charles Herbert Bowsher. Exemption granted until October 31.

Highworth.—Mr. George Edward Dunn, chemist and druggist, Highworth, had been exempted on condition that he produced a certificate showing that he was employed under the National Insurance Act. He wrote to say that he would send this.

Ilford.—Two months have been allowed to Mr. J. F. Slaughter, assistant at 125 High Road, with Boots, Ltd.

Kingswinford.—Mr. Hy. Louis Myers, 12 High Street, Pensnett, was granted three months' exemption on application.

Pudsey.—Mr. H. Sidebotham, assistant to Mr. J. W. Golightly, chemist and druggist, Chapeltown, had his case further adjourned until a substitute could be found.

Rochdale.—On the appeal of his employers, Mercers, Ltd., Oldham Road, Mr. E. A. Wade, chemist's assistant, was given temporary exemption to October 15.

Rochester.—An appeal was made by Mr. Clement George Ostler, chemist and druggist, Star Hill, and he was given three months.—Mr. Frederick Ernest Hunt, chemist and druggist, general service, was granted three months' exemption.

Romford.—Mr. W. S. Steeples, chemist and druggist, Market Place, applied in respect of Mr. Horace W. Peart, his assistant, and three months' conditional exemption was granted.

Southborough.—Two months for substitution has been granted to Mr. Henry Miles, assistant with Mr. G. E. Green, chemist and druggist, Southborough.

Southwark.—Smith & Co., of the Borough, were granted three months' exemption for a medicinal-lozenge maker.—Bewells, Ltd., chemists, obtained six months' exemption for the manager of their shop in Walworth Road. He was dispensing under the National Insurance Act.—Boots, Ltd., asked for the exemption of the manager of their leather-goods factory in Long Lane, passed for general service. They are manufacturing leather fancy goods. The Chairman: This is a new departure of late years for the company. Their manager is also supervising the manufacture of vacuum-flasks and other goods for the Army, which had previously been bought from America. Two months' final exemption was granted.

Walthamstow.—The military appealed against Mr. W. E. Swanston, managing chemist to Mr. Briggs, St. James Street. The conditional exemption was reduced to three months.

Legal Reports.

Unstamped Medicines. — At Marlborough Street Police Court, London, W., on August 1, Mr. H. N. Davidge, Ph.C., 11 Shaftesbury Avenue, W., was fined 45*l.* in all on a number of summonses for selling medicines unstamped that were liable to stamp-duty.

Sale of a Fertiliser.—At Brentwood on July 19, With's Chemical Manure Co., Hereford, were fined 5*l.*, and 2*l.* 2*s.* costs, for selling a 56-lb. bag of With's Universal Manure with the statement that that quantity "goes further than a cart-load." The defence was that the description applies to the results obtained and not to the constituents of the manure.

Sale of Poison.—At Goole on July 25, Mr. Percy Heppenstall, chemist, was charged with failing to enter the sale of poison in accordance with the Pharmacy Acts. The prosecution stated that laudanum had been supplied to a boy who brought a written order from a woman who was too ill to go for the poison herself. For the defence it was pleaded that in face of the written order the offence was purely a technical one. The case was dismissed on payment of 11*s.* costs.

An Optician's Claim.—In the City of London Court, before Mr. Registrar Wild, on July 31, a claim was made by Mr. F. S. Horsey, trading as E. G. Wood, optician, 2 Queen Street, Cheapside, London, E.C., against Mr. W. Layton, Haywards Heath, Sussex, for 1*l.* 8*s.* 4*d.* for eye-glasses supplied. The plaintiff said he supplied the glasses in May 1916, after testing Mr. Layton's sight. The glasses defendant was wearing required a correction, and it was necessary for him to wear glasses for distance as well as for reading. The defendant said when he went to the plaintiff he was suffering from a complaint of the eyes, which turned out to be owing to stomach trouble. He considered that the plaintiff made a false diagnosis. He was asked to pay 16*s.* for altering his glasses, and was then told he must have glasses for outside use at a cost of 12*s.* He did not think that was paying too much if he was given good advice. He found the outside glasses were of no use to him. After a week or ten days he was cured of the complaint, and the glasses the plaintiff supplied him with he tried on and wore them patiently for days and days. His complaint was that the plaintiff had not made a correct diagnosis, as he should have done if he had been an experienced optician. After further evidence the Registrar said he could not help feeling that the defendant tried the glasses on. At the time the defendant did not know what was the matter, or the cause of his eye-trouble. The plaintiff might understand eyes, but not necessarily understand complaints of the stomach. The defendant ought to be thankful that he had got better. The defendant said the plaintiff was practising as a skilled oculist. Should he not make a correct diagnosis? The Registrar: Not of your stomach. Continuing, the Registrar said there is an old rule of law by which the defendant, having purchased glasses after inspection, could not be heard to say what he was now saying. The defendant admitted 16*s.* of the plaintiff's claim, and it was only a question of 12*s.* Judgment was entered for the plaintiff for the amount claimed.

Business Changes.

A. Connell & Co., chemical-merchants, have removed to larger premises at 3 Jewry Street, London, E.C.

Mr. W. Burnett, chemist and druggist, manager of the pharmacy of the late Mr. C. J. G. Bunker at 151 Lillie Road, Fulham, S.W., has now acquired that business.

In Consequence of the voluntary liquidation of Richmond, Ltd., chemists, 67 Chetwynd Road, Highgate, London, N., the stock and fixtures were disposed of by public auction last week.

Morgan Bros., chemists and druggists, King's Cross, London, N., announce that they will remove to Caledonian Road, N. (corner of Alpha Place), when the necessary alterations are completed.

Boots, Ltd., have acquired the business of Mason & Son, Market Place, Bexley Heath. It may be remembered that this was one of the areas where the chemists refused the terms offered for dispensing under the National Insurance Act. Boots, Ltd., then opened a branch opposite Mason's. Mr. Mason is now retiring from the drug-trade, and is devoting his energies to agricultural pursuits in Sussex.

New Companies and Company News.

P.C. means Private Company and R.O. Registered Office.

British Formaldehyde Corporation, Ltd. (P.C.).—Capital 20,000*l.* Objects: To acquire certain patents for the manufacture of formaldehyde, etc. R.O., 52 New Broad Street, London, E.C.

Sillwood Manufacturing Co., Ltd. (P.C.).—Capital 500*l.* Objects: To take over the business carried on at Brighton as the Sillwood Perfumery Co. The first directors are P. J. Wigginton, 3 Park Crescent, Brighton, manufacturing chemist, and V. Misell, 39 Fountayne Road, Stoke Newington, N., manufacturing chemist. Solicitors: Coburn & Co., 11 St. Helen's Place, London, E.C.

George Lillington & Co. (Scotland), Ltd. (P.C.).—Capital 5,000*l.* Objects: To take over the business in Scotland of George Lillington & Co., Ltd., 124 Holborn, London, E.C., manufacturers of "Metallic Liquid" (also called "Metalo"), artificial stone and cement, etc., also with rights to acquire the licence in Scotland of Topsol, Ltd. R.O., 7 Abbey Street, Edinburgh.

Lever Bros., Ltd.—The shareholders have confirmed resolutions increasing the capital from 30,000,000*l.* to 40,000,000*l.*

Mond Nickel Co., Ltd.—Presiding at the annual meeting held at 39 Victoria Street, London, S.W., on July 27, Mr. Robert Mond said the balance carried to profit-and-loss account amounted to 327,248*l.*, or, with balance brought forward, 426,590*l.*, compared with 376,751*l.* last year. The directors recommended the same dividend as last year, with 50,000*l.* to reserve and 111,000*l.* forward. As to the operations of the year, the fourth unit at Clydach had been in successful operation, the erection of the fifth was proceeding favourably, and preliminary steps towards the erection of a sixth unit were being taken.

Trade Notes.

Diacure is the name for a diabetes-remedy, for which agencies are required by Mr. F. G. Boden, South View, Carrbrook, Stalybridge.

Dyes.—Messrs. A. Connell & Co., 3 Jewry Street, London, E.C., request buyers of aniline colours, dyewoods, edible oils, etc., to ask for quotations.

Correspondence from buyers of chemicals, drugs, and drug specialities is invited by the Seeby Drug Co., New York, whose advertisement appears in this issue.

Immediate Delivery of benzoic acid is promised in the advertisement of the British-American Chemical Co., through Kephaldol, Ltd., their London representatives.

Forfeited by the Customs.—A variety of drugs, patent medicines, and pharmaceutical products forfeited under the Customs Acts are to be sold by tender. Particulars are given in an advertisement in the Coloured Supplement.

Sanagen Trade-mark.—The validity of this trade-mark in South American countries, which was called in question by the Bauer Chemical Co., of New York, proprietors in America of Sanatogen, has been fully upheld in the courts. The Sanagen trade-mark is the property of Casein, Ltd., Culvert Works, Battersea, London, S.W.

Free Analysis is an attractive feature of the offer of French otto of rose by Gattefossé et Fils appearing in our advertisement columns. Samples may be submitted to Mr. Ernest J. Parry at the distillers' expense, and full particulars may be obtained from Forwood Bros. & Donaldson, Ltd., Ropemaker Street, London, E.C., the sole consignees.

Formula Disclosure.—The Appellate Division of the Supreme Court of the United States has decided in favour of the plaintiffs in three suits who sought to restrain the Department of Health of the City of New York from enforcing the Goldwater Formula Disclosure Ordinance. An announcement to this effect is made in this issue by E. Fougera & Co., Inc., 90-92 Beekman Street, New York, who were the plaintiffs in one of the cases.

Chemical-ware Exhibition.—Standley, Belcher & Mason, Ltd., Birmingham, writing in regard to the note in the *C. & D.*, July 28, p. 36, about the exhibition of chemical-ware at Birmingham, inform us that apart from their own goods, they exhibited glassware on behalf of the British Laboratory Ware Association, also porcelain made by Messrs. Macintyre, Burslem, and filter-papers by J. Barcham, Green & Son.

Westminster Wisdom.

By the "C. & D." Parliamentary Representative.

Army Drugs.

Mr. Macpherson, in the House of Commons on July 26, stated that there is no shortage in the medical equipment or in drugs required for the sick and wounded in Central and East Africa. All demands can be met fully, but a recent cable asks for expedition in supply.

Prolongation of Patents.

The Parliamentary Secretary to the Board of Trade stated in the House of Commons on July 27 that the possibility of giving relief to patentees who have not been able to exercise their rights as a result of the war is being considered in connection with the amendment of the patent law, and it is hoped to introduce such amending legislation at an early date.

The Production of Glycerin.

The Minister of Munitions announced on July 31 that the Ministry has actively supported every application for priority for the necessary plant and materials for the extraction of grease from refuse, and considerable quantities of these materials are now being delivered for the production of glycerin for cordite. It has been found that the amounts collected from clubs, hospitals, etc., do not repay the cost of collection.

The Cocaine Inquiry.

As we go to press several questions relating to the Departmental Committee on the use of cocaine in dental operations are being addressed to the Home Secretary. Mr. Yeo, for instance, desires to know whether the recommendations of the Hobhouse Committee will be adopted; and Mr. Neville is anxious to be informed about the extension of the permit to obtain cocaine solution. Mr. P. W. Raffan, Mr. Chancellor, Mr. J. M. Hogge, and Mr. W. C. Anderson called attention to the composition of the recently appointed Departmental Committee to consider the expediency of legislation prohibiting unqualified practice in dentistry.

Mr. Bonar Law, replying to the questions collectively, said the Committee referred to is not confined to medical men and qualified dentists. The greatest care would be taken to obtain the evidence of the unqualified men, and he would publish the terms of reference. There was only one medical man on the Committee who could be said to be personally interested.

Ministry of Reconstruction.

The Home Secretary (Sir George Cave), in moving the second reading of the Bill constituting the Ministry of Reconstruction on July 27 in the House of Commons, mentioned that among the duties of the new Ministry would be the development of national and Imperial resources, the maintenance of new industries, such as the industry connected with optical glasses, and the manufacture of gauges and matters of that kind, which are practically new industries created by the war; the supply of raw material, the conservation of coal, an inventory of the mineral resources of the Empire, and the questions of the supplies of oils and fats, agricultural policy, shipping policy, and large questions of that kind. The speeches which followed were very critical of the Bill.

Enemy Patents.

Mr. Peto asked the President of the Board of Trade recently whether patents during the war are still granted to alien enemies under Rules 2 and 3 of the Designs and Trade-marks Temporary Rules, 1914; whether under these rules a patent-specification, 103,722, applied for March 6, 1916, was accepted February 8, 1917, and complete specification filed by James Yate Johnson, patent-agent, on behalf of the Badische Anilin- und Sodafabrik, Ludwigshafen-on-Rhine; whether this patent is for a new fertiliser, and is likely to become a master-patent controlling a new industry; and whether any decision has been arrived at as to the position of such patents on the termination of hostilities.

Sir Albert Stanley, in reply, said that no Letters Patent have been, or will be, granted to alien enemies during the war. Applications for the grant of Letters Patent are received from alien enemies and are proceeded with down to and including the acceptance of the complete specifications; but the granting of any patent-rights on these applications is entirely suspended. In accordance with this practice the application on behalf of the Badische Anilin- und Sodafabrik for a patent for a "new and improved compound for use as a fertiliser and process or method of fertilising" has been accepted, and the invention published. If the invention is one of such importance as the hon. member suggests, it is open to any person to apply for an Order of the Board of Trade, under Section 6 of the Trading with the Enemy (Amendment) Act, 1916, vesting the benefit of the application in the Public Trustee, when the patent would be granted to him, and licences could, if necessary, be granted to any person who desired to use the invention. The question of the treatment to be awarded to patents owned by alien enemies on the termination of hostilities is under consideration.

Association Affairs.

Exeter.—At the meeting of the Exeter and District Pharmaceutical Association on July 27, it was resolved that the President (Mr. Eric Lemmon) and the Hon. Secretary (Mr. F. W. Vinden) should canvass the chemists of the city with a view of obtaining unanimous consent to close for one hour daily for dinner, though the view was expressed that the agreement of the Insurance Committee would be required.

Hull.—The Hull and District Pharmacists' Association met at the Metropole, West Street, Hull, on July 24. The Pharmaceutical Committee's report dealt with the increased establishment-charge for Insurance dispensing, the sales of opium and cocaine, and the recording of all prescriptions containing scheduled poisons. The Treasurer's report showed a balance in hand of 1*l.* 6*s.* 10*d.* The report of the checker for the first quarter of 1917 gave the number of Insurance prescriptions dispensed as 51,244, and the amount due to chemists as 1,620*l.* 4*s.* 8*d.* The report of the local Insurance Committee was received.

Portsmouth.—The annual meeting of the Portsmouth Pharmacists' Association was held on July 25, at the Town Hall, Mr. T. Postlethwaite (the retiring President) in the chair. The Treasurer (Mr. G. W. Darling), in presenting his report, said that extraordinary donations to the Pharmaceutical Society's Benevolent and Orphan Funds had left the Association only just within the bounds of solvency—a circumstance which no member would regret, however. The Hon. Secretary (Mr. Atterbury) said his work had become increasingly heavy, but he made it his hobby. As the Association's representative on the Insurance Committee he had attended twenty-eight meetings out of thirty-two. After a discussion on recent legislation and orders affecting pharmacy, the following officers were elected for the ensuing year: *President*, Mr. T. Brewis; *Vice-President*, Mr. Sparrow; *Treasurer*, Mr. Bown; *Secretary*, Mr. Atterbury; *Auditors*, Messrs. Edgar and Eyres. Messrs. Eyres and J. W. Rogers were elected to the Committee, *vice* Messrs. Baker and Barlow, resigned. At the close of business the new President was entertained to tea by the members.

Torquay.—The annual meeting of the Torquay and District Pharmacists' Association was held on July 25, when several subjects of pharmaceutical importance particularly connected with Insurance dispensing were discussed, and the following officers were elected for the ensuing year: *President*, Mr. J. Taylor, J.P., C.C. (re-elected); *Vice-President*, Mr. Evans (Bovey Tracey); *Treasurer*, Mr. F. Cutmore; *Hon. Secretary*, Mr. T. W. Dunsford; *Members of Executive*, Messrs Swaffin, March, and Burgoyne; *Auditor*, Mr. Ventham.

Warwickshire.—A meeting of the Warwickshire Pharmaceutical Association was held at Leamington on July 18, Mr. Hutton in the chair. It was decided to send a donation of two guineas to the Benevolent Fund out of the balance in hand. The Secretary was instructed to write to the Society to urge further efforts to obtain a supply of sugar for pharmaceutical purposes. The report of the Local Associations Executive was discussed and approved.

The Drug Company which succeeds in standardising its drugs will capture the drug-business of the future: so says the "Efficiency Magazine," which also says that "at least 50,000 compounds are used as drugs," a statement that rather discounts the standardisation idea, especially as nothing is said as to what that means.

Economy in Hospital Dispensaries, states "The Hospital," can be made which would effect a considerable saving in edible substances, such as lard and olive oil. Soft paraffin could be employed in place of lard in many ointments, talc could be used in place of starch for dusting-powder, and economies could be effected in the use of vegetable oils.

Birth.

McKinlay.—At Alma Terrace, St. Mary's Road, Glossop, on July 25, the wife of Finlay McKinlay, dispensing chemist, of a son.

Marriage.

Surfleet—Eversfield.—At St. Sepulchre's Church, Holborn, London, E.C., on July 28, by the Vicar, the Rev. W. A. Cunningham Craig, Arthur Frederic Surfleet, Ph.C., youngest son of the late William Surfleet, Louth, to Olive Ruth Eversfield, M.P.S., eldest daughter of Mr. and Mrs. Henry C. F. Eversfield.

Deaths.

Brunker.—At 18 Grosvenor Place, Rathmines, Dublin, on July 30, Mr. James Edward Brunker, M.A., Ph.C., aged seventy-five. He was born at Dundalk, and graduated Bachelor of Arts at Dublin in 1862. In 1874 he proceeded to the degree of Master of Arts, and in 1875 passed the Licence examination of the Pharmaceutical Society of Ireland. He carried on the retail pharmacy of Anderson & Adams at 68 Grafton Street, Dublin, until the beginning of 1900. In 1901 he was appointed Advising Chemist to the Local Government Board, a position which he occupied up to the time of his death, his duties being to examine drugs, analyse, and report upon samples of such in connection with the Poor-law Union supply of medicines throughout Ireland. Deceased was twice President of the Pharmaceutical Society of Ireland—viz., from 1883 to 1886, and from 1887 to May 27, 1889, when he retired from the chair in a somewhat dramatic fashion, he and the Vice-President, the late Mr. Harry Napier Draper, rising from their seats during a heated discussion on pharmaceutical politics, and, as he expressed it, shaking the dust of pharmacy from his shoes. He was a member of the British Pharmacopœia Committee of Reference in Pharmacy, being nominated for the position by the Pharmaceutical Society of Ireland. He leaves a son, Mr. A. A. Brunker, Ph.C., who is associated with the business of Boileau & Boyd, Ltd., Dublin.

Mr. J. E. Brunker.

Ellis.—At 69 Denmark Street, Bedford, on July 21, Mr. William Brewster Ellis, chemist and druggist, aged seventy-six

Evans.—We regret to announce that Alderman John James Evans, ex-chairman of Evans Sons Lescher & Webb, Ltd., died on August 2, aged seventy-five. He was taken ill while attending the Cheshire County Council at Chester, and expired almost immediately. A portrait and sketch of his career was given in the *C. & D.*, December 30, 1916, p. 57.

Died on Service.

Davy.—Private Cyril Compton Davy, Cameron Highlanders, son of Mr. Edward Davy, of Bridgegate, Rotherham, has died of wounds. He enlisted from his father's business (Exors. of Humphrey Davy) in March 1916.

Lamb.—At a military hospital, on July 28, Second-Lieutenant John Lamb, Royal Scots, aged twenty-three. His twin-brother was killed in Gallipoli some time ago. The father of these brave boys is Mr. James Lamb, 14 Fettes Row, Edinburgh, a traveller with Duncan, Flockhart & Co.

Ling.—Captain and Adjutant F. W. Ling, Royal Fusiliers, has been killed in action in France. He was the only son of Mr. F. G. Ling, pharmacist, Hackney Road, London, N.E., and prior to the war was engaged in the Custom House Laboratory and was a member of the Civil Service Rifles. He volunteered for active service and, as a sergeant, went with his battalion to France, where he was severely wounded. He afterwards received a commission in the Royal Fusiliers, later becoming Captain and Adjutant. He was again severely wounded and invalided to England, but on recovering returned to the Front, where he had been only a few weeks when he was killed. Captain Ling was mentioned in despatches in January last.

McRither.—Lance-Corporal D. G. McRither, M.G.C., died on July 18 of wounds received in action, aged nineteen. He was the son of Mr. Alexander B. McRither, chemist and druggist, manager of Boots, Ltd., Shandwick Place, Edinburgh. Two other sons are with the Forces.

Personalities.

Mr. G. Woodhouse, chemist, Bull Ring, Ludlow, has been appointed to the Borough magistracy.

Sir Clifford Allbutt has been re-elected President of the British Medical Association.

Mr. F. Boothroyd, Ph.C., was on July 30 appointed Vice-Chairman of the Blackpool Sanatorium Sub-Committee.

Mr. D. J. Bailey, chemist and druggist, has been elected for the fourth year in succession Chairman of the Blackpool Medical Benefit Sub-Committee.

Mr. J. F. Hogg, chemist and druggist (Williamson & Hogg), North Shields, has been appointed as Vice-Chairman of the Tynemouth Insurance Committee.

Mr. David Myrddin Evans, son of Mr. M. D. Evans, chemist, Towyn, has passed the Matriculation examination of the London University; also the Senior examination of the Central Welsh Board.

Mr. A. J. King, who has been in the Army since the outbreak of war, is now free to resume his civil occupation. He is representing Oatine, Ltd., as from August 7, and will be remembered as formerly a representative of another large perfumery-house.

At the Close of the summer session of the Westminster College of Chemistry and Pharmacy, 190 Clapham Road, London, S.W., the principal, Mr. G. S. V. Wills, was presented with an oak chair by the sixty lady pupils who were taking courses of study at the College. Mr. Wills, in thanking the students for the gift, which is to be used in his office in the new premises, referred to the preponderance of the women students over men students at the College—a reversal of pre-war conditions—and added that there is still plenty of demand for women dispensers.

The appointment of Mr. W. J. Uglow Woolcock as an Assistant Director of Army Contracts is a matter of congratulation not only to Mr. Woolcock but to pharmacy in general. He is one of the brilliant men in pharmacy, and his rapid rise to the position of Registrar and Secretary of the Pharmaceutical Society is a testimony to the abilities which he possesses and uses. He passed the Minor in 1900 and the Major in 1907, following up this by qualifying as a barrister-at-law. His first official appointment at the Square was in 1911, when he was made Local Associations Officer, and on the retirement of Mr. Richard Bremridge in June 1913 Mr. Woolcock was appointed his successor. Since then he has worked hard at the organisation of the Pharmaceutical Society, and has shown on several occasions that he can successfully tackle difficult questions and extricate himself from awkward positions. His present appointment is a compliment to Mr. Woolcock's organising ability, and a recognition of the advantages of technical knowledge even in a Government Department. We have no doubt that the work he will continue to do at the War Office will be to the advantage of the nation.

Mr. W. J. U. Woolcock.

Information Department.

INFORMATION WANTED.

90/38. Price's violet-powder.
91/13. Melanaca & Co.'s specialities.
92/53. Makers of apparatus for treating wounds on the Carrel Dakin treatment.

Observations and Reflections.

By Xrayser II.

"Dispensing Chemist"

is no more of an anomaly than "Analytical Chemist." It is true that all the substances we dispense are not chemicals, but neither are all those which the analyst deals with. The title in each case implies that its bearer possesses the knowledge and skill in chemistry necessary for his work, and if "Dispensing Chemist" meant no more than this our right to it would be beyond question. But it means a good deal more. It signifies that we deal in what, when the title first came into use, were known as chemical medicines, in contradistinction from galenicals. In those days drugs were not always medicinal, and "Dispensing Druggist" would have been, as indeed it still is, a much less fitting title. It is, I think, of the greatest practical importance that our connection with (I might almost say our origin in) chemistry should be kept in view; it denotes a superiority to the mere apothecary, for whom the "chymist" of old prepared mineral medicines before he began himself to dispense them.

The Reconstruction of Industry

after the war cannot be taken in hand a moment too soon. Mr. Mann's excellent paper shows that the need is just as great in the fine-chemical industry as in any other department; perhaps, indeed, it is greater than in some. In the past there has been no organisation for the training of technical chemists with a view to co-ordination of effort to secure the best results, and therefore we start on what is to all intents and purposes virgin soil. How is that soil to be tilled, and who are to be the ploughmen? I have not much confidence that Dr. Addison is the best man to initiate schemes for the institution or reconstruction of chemical manufacture. If, however, he relies for advice on competent men who have been actually through the mill, and whose only object is to re-establish British supremacy in every department of industry, he may make a success in what will be one of the most difficult tasks of the near future.

Co-ordination, not Individualism,

is what is needed for the next twenty years. I do not go so far as to say co-operation, for that conveys a different conception than I have in mind, but we shall have to get rid of the idea that every man must fight for his own hand. Have we learned our lesson? Verily, no! if what Mr. Mann says is correct, that "five firms have done the research work necessary for the production of a certain dye with antiseptic properties." Such a waste of valuable time and grey matter seems to me to be nothing short of criminal. Why could not the Research Committee have turned these five firms on to a dozen chemicals, allocating certain chemicals to certain firms? There are surely plenty of chemicals to choose from. Moreover, what is there to hinder the grant of a subsidy till the research is concluded?—always on the understanding that the results of the research be public property and that profiteering would not be allowed by the creation of monopolies.

The Most Obvious Criticism

of the Venereal Disease Act is that it ought not to have been applied at all until it could be more generally, not to say universally, applied. An Act of this kind which has no force in such boroughs as Hull, Bristol, Birmingham, Manchester (to name no others), and that applies to Bootle but not to Liverpool, stands self-condemned. The reason for this partiality of application is doubtless to be found in the want of provision for gratuitous treatment in the districts in which the Act is not operative, but what a reflection is this upon such hasty legislation! Haste, panic, one might almost say, is written large all over the Act, which shows, as the instances you adduce are sufficient to prove, just the vices one expects from ill-considered action.

The Saccharin Scare,

which seems to have been revived to some extent in Liverpool, arose in Germany in the course of last autumn. A considerable number of children broke out in a rash which was by some alarmists attributed to this cause. An inquiry was set on foot, and the result of this and subsequent experiments was to dispel the idea that saccharin had anything to do with the matter. In May last Dr. Joachimoglu, of Berlin, discussed the question in a medical journal, and gave it as his conclusion that saccharin is not in any way injurious to health, giving as his reason the following facts: Several persons, after taking from 1 to 2 grams a day for several days in succession, experienced no ill effects; children were given from 0.1 to 0.2 gram a day for three months, and one man consumed 155 grams in half that time, and in no case did any injury result. The use of saccharin for preserving sour fruit, which it had been alleged was peculiarly dangerous, has also been proved by experiment to be entirely harmless. These investigations do not appear to have been necessary in Germany just then, for the doctor added that saccharin was almost unprocurable.

Out of a Total of Eight Columns

of advertisements of all kinds in a leading halfpenny London morning paper I found the other day on analysis that nearly five columns consisted of advertisements of medicines and medical appliances. In face of the Insurance Act, which provides for the medical treatment of "the masses," this is rather startling, but I do not propose to consider just now what, in a general way, it signifies. There are a few further facts in connection with these advertisements which are of more particular interest to pharmacists. Only three of the firms advertising are known to me, and only one of these appears to advertise in either of the leading chemists' journals. Of the three exceptions one is a leading wholesale drug-house, another is the proprietor of an old-established "patent," a third the manufacturer of a well-known beverage: the rest are all mere names to me; I have never had any dealings with any of them, or, so far as I remember, met with any of their preparations. Another fact is that though most of the things advertised are stated to be procurable from all chemists, the place of honour is in every case given to the "cash chemists" and "stores"; we others are thrown in by the way. Again I make no comment on my facts, though they seem to be not without significance, but I should like the opinion of some of my readers with regard to them.

The Holiday Season

is upon us once more, but it finds few of us, I suppose, in the holiday mood. Life has become too strenuous and business too exacting to leave us much spirit or time for merry-making But they are ill-advised who, if they have the chance of a short vacation, fail to take it; the very fact that the conditions of life are more than usually hard makes it the more necessary to draw a breath or two of a purer air, if we can, and to renew our flagging energies by a complete change of scene and occupation. Our great Puritan poet tells us that Heaven has ordained a time for recreation,

> And disapproves that care, though wise in show,
> That with superfluous labour loads the day,
> And, when God sends a cheerful hour, refrains—

refrains, that is, from using it for its intended purpose. I venture to go a little further, and say that if the cheerful hour is not sent we should do our best to hasten it; and for "hour" I am disposed at this season to read "fortnight," at least.

German Villainy.—An official warning has been circulated in the United States against the use of court-plaster, as German sympathisers are distributing this article impregnated with tetanus germs.

Cocaine Prescriptions.—The "British Medical Journal" (II., 1917, p. 126), referring to the new regulation which requires cocaine prescriptions to be retained by the chemist, adds the following suggestion: "In order to avoid friction between dispenser and patient as to the ownership of such prescriptions, prescribers should inform their private patients of these requirements."

"SANITAS"

DISINFECTANTS

(Fluid, Powder and Soap)

Also
"Sanitas Fluid" No. 2 (Crude).
Non-poisonous, disinfectant and deodorant.
"Sanitas-Bactox."
Homogeneous Phenoloid Disinfectant; 18/20 co-efficient.
"Sanitas-Okol."
Emulsified Phenoloid Disinfectant; 18/20 co-efficient.
"Sanitas Sypol" (Improved Lysol).
"Sanitas Sulphur Candles."
"Sanitas Formic Sulphugators."
"Sanitas Formitas Outfits."
"Sanitas Formigators."
"Sanitas Drain Testers."
"Sanitas Polishes."
"Sanitas Distemper," for walls.
Peroxide of Hydrogen (Kingzett's Preserved).
Kingzett's Patents.

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ABSOLUTE ALCOHOL
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We solicit your Inquiries for—
Crushed Linseed (Mumford's quality, finest obtainable), Whole Linseed, Starch Powders (Maize, Wheaten, Rice and Potato), Glauber Salts, Hypo, Bi-Carb. Soda, Sulphur, Fuller's Earth, Tart. and Citric Acids, Cream Tartar, Kaolin, Liquorice Pdr. and Juice, Epsom Salts, Boracic Acid, &c., &c. Also 1d. Pkts. Fuller's Earth, Violet Pdr., Starch Pdr., Liquorice Pdr., Nursery Pdr., Boracic Acid Pdr., &c.
Sole Proprietors of "Pylitna Powders." the internal specific for Hæmorrhoids.
Special terms for co-operation.
C. S. MUMFORD & SONS, FARRINGDON ROAD, LONDON.

PHARMACEUTICAL FORMULAS. (9th Ed.) 10/-, by Post 10/6.
ART OF DISPENSING. (9th Ed.) 596 pages. 6/-, by Post 6/5.
CHEMISTS' DICTIONARY OF SYNONYMS. 2/6, by Post 2/9.
THE CHEMIST AND DRUGGIST. 42 CANNON ST., E.C.

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Grand Prix LEEDS. Turin 1911.
PHARMACEUTICAL PREPARATIONS.
Tinctures, Ointments, Pills, Tablets, Suppositories. Standardised and Clinically Tested Galenicals, &c.
SURGICAL INSTRUMENTS.
X-Ray and Electro-Medical Apparatus, Dressings, &c.
AERATED BEVERAGES.
Sparkling Phosferrade, Puritzer, Dry Ginger Ale, &c.
SCIENTIFIC APPARATUS.
(Chemical, Physical, and Photographic). Balances and Weights.
CHEMICALS FOR TECHNICAL AND ANALYTICAL PURPOSES.

"A revolution in the art of Urine Testing."—Medical Press & Circular.
ENDOLYTIC TUBES
"The Laboratory in the Waistcoat Pocket."
Wholesale Terms on application to the Sole Proprietors:
FLETCHER, FLETCHER & Co., Ltd., HOLLOWAY, LONDON, N.

Editorial Articles.

Doing without Germany.

The conclusion of the third year of war finds the Allies still fighting for the cause of freedom, and although the objects of the war have not yet been attained, the strong position of the defenders of the world's liberty makes the future a bright one and the dawn of peace nearer. The one definite statement that can be made is that the plan of Germany to dominate the world by her arms and her villainies has failed. Another important fact is that Germany has now definitely lost the pre-eminence which she held in certain important industries. This has been obvious to all who have followed the growth of the new industries which have been set up in the Allied countries. There are also many signs that the Germans themselves are realising that when peace comes they will have to begin again to build up the industries which they themselves have ruined. The new German Chancellor recently made a reference to the difficulties which Germany will encounter when she desires again to trade with the outer world, but the "factory-chimney junkers" have already had their eyes opened to the devastation caused to German industries by the war. The fact is that the civilised world has now learnt to do without Germany; the former economic dependence of other nations upon Germany no longer exists, and must never again be allowed to reach to anything approaching the pre-war stage. During the past three years, despite the difficulties and restrictions inseparable from a state of war, there have been founded in the United Kingdom chemical industries capitalised at between five and six millions sterling. Many of these

companies are engaged in making chemicals or allied products not hitherto made in this country, or only on a small scale. This effort, magnificent as it is, must, however, be looked upon only as the foundation of the British fine-chemical industry. It is well known that a large number of the splendidly equipped factories erected for the manufacture of chemical munitions are to be used after war as chemical-factories. The heavy-chemical industry in this country has already faced the *post bellum* position, and what the alkali and soap industries have done in consolidating their interests will require to be effected in other branches of applied chemistry. We dealt some time ago with the problem of raw materials, a steady supply being necessary to maintain the manufactures of this country. Since then some difficulties have been overcome. A source of potash has been found which will go a long way towards making us independent of Germany. The trump card of Germany has always been the Stassfurt potash-mines, but it is satisfactory to know that we, as well as other nations, will be in a position to withstand blackmailing demands by Germany so far as potash is concerned. Crude potash salts are largely used as fertilisers, but potash is a controlling feature of several branches of industry. Glass-making is an example, and in the manufacture of fine chemicals potassium permanganate is in large demand as an oxidising agent. It is the difficulty in obtaining adequate supplies of potassium permanganate that keeps the manufacture of saccharin in this country at so low a level. It is permissible now to state that nitric acid is being made in this country on a commercial scale from atmospheric nitrogen. This supplements the large supply of Chilian saltpetre required for war-purposes, and proves that cheap power from coal can compete with water power when all the factors involved are taken into account. The progress which has been made in the manufacture of aniline dyes is a matter for congratulation. This was the one industry upon which Germany prided herself, and she treated with contempt the efforts of the rest of the world to make dyes. The large aniline-colour making works which have sprung up here can no longer be dismissed as negligible, and have already made us independent of Germany. Exports of limited amounts of aniline dyes have already taken place to India and other Eastern markets. The manufacture of intermediate products for the aniline-dye industry, and the utilisation of the by-products, are matters of the utmost importance to the drug-trade, as these are the sources of synthetic remedies. Other industries which may be mentioned as now firmly established are the manufacture of analytical chemicals and the products of the rare earths. Apart from chemicals, our manufacturers have made splendid progress in producing chemical plant, laboratory porcelain, optical and other special glasses, nickel ware, chemical stoneware, filter-papers, lanoline, liquid paraffin, vacuum-flasks, surgical catgut, and rubber sponges, and have proved conclusively that these things can be made here even better than in Germany. It remains now for the Government to see that these infant industries are encouraged in every way, and not allowed, on the conclusion of peace, to be the first victims of German aggression. This task of protection should be easy, as the manufactures have been founded on knowledge, and are to be fostered by research and co-operation on a scale hitherto unknown in this country. But in the reconstruction period it will be necessary to keep a careful watch on all key industries and to remove disabilities under which manufacturers labour so soon as possible. Steps must be taken to control the imports of German goods during the ticket-of-leave stage. For example, an alteration in the Customs regulations should be made requiring fuller details regarding chemicals imported into this country, and other legislation should confer on the Board of Trade power to trace the goods to the user. If it were found that abnormal amounts of particular chemicals were being imported, an inquiry should then be made as to the reasons why the product is not made in this country. If a British industry depended upon the imported foreign chemical, effective steps should be taken at once to make the chemical here. Effectual measures must also be taken against aggressive trading by Germans in the British Empire: there must be no more "peaceful penetration," and the elaborate spy system connected with German businesses must never again be allowed to root itself in British soil. These and similar measures will not only make for the peace of the world, but will keep Germans from lapsing into dishonesty.

French Import Restrictions.

Considerable dislocation to Anglo-French trade has arisen by the recent import prohibitions into France, and strong feeling has been expressed in commercial circles at the action of both the French and British Governments in creating a situation which is hopelessly involved and has led to the abandonment of many contracts. It may be pointed out that the system of import licences between England and France was initiated on this side by the Government at the suggestion of the Board of Trade with a view to release tonnage; but it now appears that the advantages which may have been attained in this direction have been far outweighed by the loss of trading which has taken place. The latest phase of the situation is that a new list has been published in the "Journal Officiel," dated July 14, cancelling that previously given on April 15, of goods for importation of which no licence is required. This "free" import list has been rigorously cut down and revised, and there are now only a few raw products of drug and chemical interest which can be imported without a licence. They include:

Nitrates of lime (and calcium cyanimide), of potash, and of soda; copper sulphate; superphosphate of lime; chemical manures; natural phosphates; sulphur (not purified), including ore and pyrites; sulphur triturated, purified, refined, or sublimed; petroleum, schist, and other mineral illuminating-oils (crude, refined, and spirit); heavy oils, and residues of petroleum and other mineral oils; oleaginous fruits and seeds; alimentary vegetable fats and honey.

The following articles, which were in List No. 1, are not included in the revised list set out above, so that the presumption is that their importation into France is now subject to the issue of import licences by the French authorities. This list includes:

Beeswax, vegetable wax (carnauba, myrica, and others); exotic gums in the natural state; vegetable tar; resins and other exotic resinous products, other than those of pine and tar; camphor, natural, crude, or refined; caoutchouc, balata, and guttapercha; medicinal vegetable substances (roots, herbs, flowers, leaves, barks, lichens, fruits, and seeds); flax; sponges; molasses; egg-yolk; turmeric; quercitron; dyeing-lichens; tanbark, ground or not; sumach, fustic, and barberry; gall-nuts and valonia-nuts; saffron; other dyeing and tanning materials (not including madder); hops, lupuline; vaseline and paraffin; iodine, crude or refined; acids, viz.: arsenious acid, boric acid, hydrochloric acid, liquid citric acid (citron-juice, natural or condensed) and crystallised citric acid, lactic acid, nitric acid, oxalic acid, phosphoric acid, sulphuric acid, tannic acid; extracts of gall-nuts, of sumach, of chestnut-wood, and other tannic juices extracted from plants; quebracho extracts; oxides of copper, of tin, of iron, of lead, of zinc; ammonia (volatile alkali); calcined magnesia; potash and carbonate of potash; caustic soda; natural or artificial soda, crude or refined; carbonate of soda, crude or refined; bicarbonate of soda; salts of soda, not specially mentioned in the French tariff; sea-salt, salina salt, and rock-salt, crude or refined; ammoniacal salts (hydrochlorate [muriate], sulphate, and other), crude, refined, or commercially pure; chlorides of tin; salts of lead, and chemical products and colours with a basis of lead, not specially mentioned in the French tariff; lead acetate; methyl alcohol or wood spirit; formic aldehyde; alum of ammonia or of potash; borax, crude, native, or artificial; carbonate of magnesia; citrate of lime; permanganate of potash; chlorides of magnesium and of potassium; chromates of lead, of potash, and of soda; sulphates of magnesium, of potash, of soda, and of zinc; tartrates of potash (wine-lees and crude tartar); celluloid, crude, in lumps, plates, or sheets; celluloid, in canes, sticks, tubes, chips, and waste; extracts of dye-woods and of other vegetable products for use in colouring; milk-sugar; bottles, phials, and flasks, ordinary.

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A War-time Pharmacopœia.

The British Pharmacopœia, 1914, was produced under war conditions, and it seems destined to have a troubled existence. The "London Gazette" of July 27 publishes a notice, which we give on another page, regarding the alteration and amendment of the British Pharmacopœia, 1914, the effect of which is that official sanction is withdrawn from the formulæ and directions given in that work for the following preparations:

Caffeinæ citras effervescens.
Confectio sennæ.
Confectio sulphuris.
Decoctum aloes compositum.
Extractum gossypii radicis corticis liquidum.
Glycerinum acidi borici.
Glycerinum acidi carbolici.
Glycerinum acidi tannici.
Glycerinum aluminis.
Glycerinum amyli.
Glycerinum boracis.
Glycerinum pepsini.
Glycerinum plumbi subacetatis.
Glycerinum tragacanthæ.
Linimentum potassii iodidi cum sapone.
Liquor calcis saccharatus.
Magnesii sulphas effervescens.
Mel boracis.
Mistura ammoniaci.
Mistura amygdalæ.
Mistura guaiaci.
Mistura sennæ composita.
Pulvis amygdalæ compositus.
Pulvis glycyrrhizæ compositus.
Pulvis tragacanthæ compositus.
Sodii citro-tartras effervescens.
Suppositoria glycerini.
Syrupus acidi hydriodici.
Syrupus aromaticus.
Syrupus aurantii.
Syrupus aurantii floris.
Syrupus calcii lactophosphatis.
Syrupus cascaræ aromaticus.
Syrupus ferri phosphatis.
Syrupus limonis.
Syrupus pruni virginianæ.
Syrupus rhei.
Syrupus rhœados.
Syrupus rosæ.
Syrupus scillæ.
Syrupus sennæ.
Syrupus tolutanus.
Syrupus urgineæ.
Syrupus zingiberis.
Tinctura cardamomi composita.
Tinctura kino.
Tinctura pruni virginianæ.
Tinctura rhei composita.
Tinctura sennæ composita.
Trochiscus acidi benzoici.
Trochiscus acidi carbolici.
Trochiscus acidi tannici.
Trochiscus bismuthi compositus.
Trochiscus catechu.
Trochiscus ferri redacti.
Trochiscus guaiaci resinæ.
Trochiscus ipecacuanhæ.
Trochiscus kino eucalypti.
Trochiscus krameriæ.
Trochiscus potassii chloratis.
Trochiscus santonini.
Trochiscus sulphuris.
Unguentum iodi.

It is a long list, but the idea has been to delete all formulæ containing glycerin or sugar which are not indispensable in medical practice. No notice has been taken of the scarcity of other ingredients, such as the storax in tinctura benzoini composita, but the medical men who compile the Pharmacopœia cannot be expected to concern themselves with trade difficulties. The present alterations have taken months to bring about, and are the result of pressure from the Home Office, the Food Controller, and the National Health Insurance Commissioners. The effect of the alterations and amendments is that when the preparations named occur in prescriptions, chemists are no longer bound to dispense the articles which were under that name in the British Pharmacopœia up to July 27. It releases chemists from the obligation of Section xv. of the Pharmacy Act, 1868, but it should be especially noted that the difficulties of chemists in regard to the Sale of Food and Drugs Acts and the Merchandise Marks Act still exist. Public analysts may at any time condemn an erstwhile official preparation in which glycerin or sugar has been replaced by glucose, invert sugar, honey, saccharin, or mucilage, quoting as their authority the formulæ now deleted from the Pharmacopœia. That volume has never been a legally constituted standard under the Sale of Food and Drugs Acts, but its formulæ have been good evidence as to the composition of substances sold under the titles given therein. In several of the formulæ the titles of which are given above the glycerin may be omitted altogether without any appreciable difference in the galenical—*e.g.*, dec. aloes co., tinct. card. co., ung. iodi; but in other cases, such as the syrups and glycerins, liquid glucose, invert sugar, and honey will be the substitutes to use in place of sugar and glycerin. There does not seem to be any suitable substitute for the sugar in compound liquorice powder; what will take place here will probably be a reduction in the amount of sugar and a corresponding reduction of the dose of the powder. We suggest that it is necessary to label distinctly all packages containing preparations the formulæ of which have been altered. The letters "W.E.F." (War Emergency Formula) should be affixed to all the altered galenicals, and the same letters should be added in the margin of prescriptions containing one of the proscribed galenicals. For retail trade special precautions must be taken in selling to inspectors under the Sale of Food and Drugs Acts; distinct notice must be given at the time of purchase that the article does not conform to the formulæ which were in the British Pharmacopœia up to July 27. A red label or rubber stamp with the words "War Emergency Formula" is a convenient supplement to the verbal notification to the ordinary public. Attention should also be drawn to the alteration in the activity of compound liquorice powder which will result if the amount of sugar is diminished.

The Price of Perfume-spirit.

Reference has been made in our columns to the high price which is being charged for spirit required for the manufacture of perfumes. The effect has been to cause a great increase in the price of those pharmaceutical preparations which are classed as "non-medicinal," and to hamper the trade of some manufacturers of Eau de Cologne. It is particularly desirable, now that German competition in the manufacture of Eau de Cologne has been eliminated, that British manufacturers who are finding new export-markets for their products should not be hindered by artificially high prices for the raw material. The question of "profiteering" has also been raised, and we suggest to the Government that, as the transactions in this spirit are readily traced from official records, it would be easy to set the matter at rest by ordering an examination of the books—the Government have powers, we believe, under the Articles of Commerce (Returns, etc.) Act, 1914—and it would also show that the professions of the Government in regard to checking profiteering are well meant.

Sweetening Substances.

In his statement dealing with the new food policy, Lord Rhondda, in the House of Lords last week, stated that the present distribution of sugar to manufacturers, based on 1915 requirements, is not satisfactory, and requires considerable alteration. It looks as though the scheme recently arranged with wholesale druggists (*C. & D.*, June 23, p. 46) may be upset, but further details must be awaited as to what is to be done under the new method of rationing which is to apply to hotels, restaurants, manufacturers, and the public. So far as regards the public, every householder will be invited to apply to a local Food Committee for a sugar-card, which he will be asked to take to the retailer from whom he obtains his sugar, and be registered with him. In his statement of policy Lord Rhondda said he would endeavour "to fix the prices of those articles of prime necessity over the supply of which he could obtain effective control at all stages from the producer down to the retailer." He admits, however, that he can only do this in commodities over the supply of which he can obtain "effective control," so that the policy of including other sweetening substances, like saccharin and honey, seems impracticable, because effective control at the source cannot be exercised (except, of course, that of home production, which is small). In regard to supplies drawn from neutral countries, any attempt to deal with prices must take into account the fact that unless adequate prices are paid for imported goods they will find their way to other markets. Moreover, unless a reasonable profit is forthcoming to an importer of saccharin or honey, he would cease to import, and the last condition would be worse than the first. Lord Rhondda states that he intends "to eliminate the middleman by fixing prices at every stage on the basis of pre-war profits." The question arises as to whether pre-war profits are sufficient to meet the increased working-expenses caused by the war.

Pharmaceutical Society of Great Britain.

Council-meeting.

The monthly meeting of the Council was held at 16 Bloomsbury Square, London, W.C., on August 1. The President (Mr. E. White) was in the chair, and the other Councillors present were the Vice-President (Mr. E. T. Neathercoat), the Treasurer (Mr. W. H. Gibson), and Messrs. A. S. Campkin, J. H. Cuff, W. L. Currie, J. W. Deakin, R. L. Gifford, T. Guthrie, A. Hagon, J. F. Harrington, F. G. Hines, A. H. Jenkin, J. Keall, L. M Parry, P. F. Rowsell, F. P. Sargeant, H. Skinner, and J. R. Young. Messrs. F. E. Bilson and F. J. Gibson sent apologies for unavoidable absence.

Copper Sulphate.

After the Secretary had read the minutes of the previous meeting,

Mr. Campkin asked as a special favour that the first business to be taken should be consideration of a letter in the correspondence section from the County of Essex Association expressing regret that the Council had not taken up the question of the supply of copper sulphate through retail chemists, but had delegated the duty of approaching the department concerned to an individual member of the Council in his private capacity.

The President and Council agreed, and the Secretary (Mr. Woolcock) then read the report which Mr. Campkin had sent in regarding his correspondence with Sir Richard Winfrey on the subject of copper sulphate. The purport of this was that Sir Richard Winfrey, on Mr. Campkin putting the case before him regarding the very cheap rate at which copper sulphate in broken bulk had to be supplied to chemists, immediately replied, stating that he agreed that the price—6½*d.* per lb.—was rather low, and that he would pass the matter on to the proper quarter. In another letter Sir Richard indicated that so far as he could gather the price had been fixed and was considered sufficient for quantities of 7 lb. and upwards, and that the cost of carriage, etc., was not included in that amount. He was informed that companies such as Boots', Taylor's, etc., sold retail at 6½*d.*, and the Mond Nickel Co. also sold in small quantities by post. He believed that the aggregate stock in the country at present was from 4,000 to 5,000 tons.

Replying to this, Mr. Campkin made a point of asking whether this regulation regarding the price (6½*d.* per lb.) was restricted to the spraying season only, or if it would hold good likewise in the autumn, when a considerable quantity of copper sulphate is used for seed-dressing, etc. Eventually Sir Richard wrote again, saying that he understood that there was a change in contemplation with regard to the fixed price of 50*l.* per ton, and that that arrangement would be terminated very soon. Furthermore, that the Department were of opinion that a retail price of 8*d.* per lb. would be a fair one. (See also p. 35.)

Mr. Campkin, commenting on the report, said that he hoped their friends in agricultural districts would realise that something had been done in this connection on their account, and he suggested that the thanks of the Council and of chemists generally were due to Sir Richard Winfrey for his prompt and courteous action.

Mr. Sargeant said that congratulations were due to Mr. Campkin for the manner in which he had taken up the matter and for the good results that had been obtained.

The President said the very satisfactory result of Mr. Campkin's intervention was a complete answer to the letter from the County of Essex Association, and certainly congratulations were due to Mr. Campkin on the successful issue of his work.

Questions and Answers.

Two questions were put, the first being from Mr. Deakin, who asked if the President considered the time opportune, or if it was expedient that a Public Policy Committee, representative of all sections of pharmacy, should be appointed by the Council to speak as occasions arise—and as a whole—to any Government Department, to Parliament, and the public?

The President's answer was that this was a matter which might very properly engage the consideration of the Council, but that the setting-up of another body with specific powers of negotiation might eventually have the effect of weakening the influence of the Council.

Mr. Skinner asked if the attention of the officers of the Society had been called to the distribution by public and semi-public bodies of such articles as infants' foods, etc., and what action—if any—has been taken? Also, whether it would not be advisable to collect all the facts relating to the distribution of such articles of commerce in the form of subsidies by various bodies in so far as they encroach on legitimate pharmaceutical business, and circulate the same information when gathered to members of the Council.

The President replied that the attention of the officers of the Society has not been called to the distribution of infants' foods by public or semi-public bodies. The Council thinks it advisable that this suggestion should be carried out. It can be done through the local Associations. He suggested that Mr. Skinner should raise the question at the close of the public business

Elections and Restorations.

Sixteen members were elected and ten student-associates, while forty-nine were restored to the Society. One person was restored to the Register of Chemists and Druggists. The Registrar's report stated that twenty-two "apprentices or students" had been registered.

Correspondence.

Letters and resolutions urging the Council to press forward the matter of the status of pharmacists in the Army were read from the Cumberland Pharmaceutical Association, the East Anglia Federation of Pharmaceutical Associations, the County of Essex Association, and the West Ham Association. The Northumberland Pharmaceutical Committee brought forward the question of safeguarding the interests of pharmacists in regard to dispensing under the Venereal Disease Act, while the North East Lancs Association directed the attention of the Council to the public recommendation by the British Fire Prevention Committee of a proprietary article named "Burnol" for the treatment of burns.

Mr. Jenkin thought the areas in which the Venereal Disease Act was to be operative on November 1 should be published for the information of chemists, and

Mr. Deakin considered that the rights of chemists should be carefully watched.

The North-East Lancs letter was referred to the Local Associations.

Finance.

The Secretary then read the report of the Finance Committee, which is summarised as follows:

The receipts of the general fund since the last meeting amounted to 1,097*l.* 13*s.* 7*d.*, made up thus: Penalties and costs, 120*l.* 9*s.* 6*d.*; "Pharmaceutical Journal" and publications, 48*l.* 3*s.* 8*d.*; dividend and interest, 66*l.* 0*s.* 7*d.*; subscriptions, 83*l.* 9*s.* 6*d.*; registration fees, 39*l.* 18*s.*; restoration fees, 1*l.* 1*s.*; certificates of qualification, 5*l.*; "The Chemist's Annual," 31*l.* 1*s.* 10*d.*; school and lecture fees, 4*l.* 4*s.*; rent and fire insurance, 195*l.* 3*s.*; ground rent, 103*l.* 2*s.* 6*d.*; loan from Benevolent Fund, 400*l.* After deducting the payments ordered at the last meeting a balance of 133*l.* 18*s.* 11*d.* was left. Balances on the Benevolent Fund were: Current account, 901*l.* 16*s.* 9*d.*; donation account, 804*l.* 3*s.* 10*d.*; Orphan Fund, 116*l.* 18*s.* 3*d.*

In moving the adoption of the report, the Treasurer remarked that the balances on the Benevolent Fund, the Donation Fund, and also on the Orphan Fund were better than they ever had been.

The report was seconded, and adopted unanimously.

Benevolent Fund.

Mr. Parry, in the absence of Mr. Bilson, moved the adoption of the report of this Committee which recommended seven grants, amounting to 164*l.* in all. In this connection he read a letter addressed to Mr. Bilson from Mr. Richard Bremridge informing him that since the last meeting of the Council, he (Mr. Bremridge) had received the following donations to the Benevolent Fund as a result of his canvass, and of the subsequent publication of the list of donations:

	£	s.	d.
Barclay & Sons, Ltd., London	5	5	0
Burroughs Wellcome & Co., London	105	0	0
Bush, W. J., & Co., Ltd., London	26	5	6
Cox, Arthur H., & Co., Ltd., Brighton	5	5	6
Morson, Thos., & Son, Ltd., London	15	15	0
Woodward, W., Ltd., London	5	5	0
	162	15	0

This sum, with the amount previously collected (837*l.* 18*s.*), makes up a total of 1,000*l.* 13*s.*, a very gratifying sum, and one which reflects credit, as Mr. Parry said, on Mr. Bremridge's activity. Other donations to the Fund were from the Warwickshire and District Association, 2*l.* 2*s.*; Torquay Chemists' Association, 2*l.* 2*s.*; Birkenhead and District Association, 1*l.* 16*s.*; Peterborough and District Association, collecting-boxes, 11*s.*; and Halifax Chemists' Association, collecting-boxes, 17*s.* 6*d.* In this connection Mr. Parry pointed out that the collecting-box idea had been the means of producing for the Fund a considerable amount of money. To show the disinterestedness of the Fund he pointed out that with two exceptions all the

grants that had been made had been to non-members of the Society. Mr. Parry referred particularly also to the case of a registered chemist who was wounded last October and discharged from hospital on June 10, 1917. He is dependent on an Army allowance of 14*s.* per week, and his relatives are not in a position to assist him. After the war, Mr. Parry stated, there will be a good many more cases of this kind, and an increase in funds will really be necessary.

Mr. Keall seconded the adoption of the report, which was passed unanimously.

Library, School, and Museum Committee.

The Secretary read the report of this Committee, which announced the resignation of Mr. R. W. Bowles, who had been reappointed to his pre-war post as demonstrator in chemistry. Mr. Bowles intimated that the state of his health would not permit him to take up the position. A suggestion had been sent that the Council should establish a post-graduate course in ferments, secretions, hormones, etc., but this question, along with the whole subject of the continuation of microbiological lectures, was postponed until the October meeting. The inaugural sessional address is to be delivered by Lieut.-Colonel E. F. Harrison. Regarding the carrying-out of the bequest by Mr. J. J. Petrie, of Aberdeen, the Aberdeen Pharmaceutical Association is to be consulted.

The President, moving the adoption of this report, expressed regret at Mr. Bowles being unable to take up his duties. With regard to the microbiological course, 140 pupils had attended the theoretical lectures, the attendance being remarkably high. As a result a laboratory had been fitted up and the apparatus ordered, but Dr. Burnet had not yet had time to map out the details for the practical course, which would have to be postponed until October. In this connection they had to walk very carefully in order to avoid the possibility of any suggestion that they were interfering with the medical side of the question. As a result of the Conference at the Board of Education the suggestion was that the Advisory Committee which had been proposed should be split up into groups or sections. This arrangement would give the Council the advantage of direct communication with the Board of Education regarding secondary education, etc., the idea being that the Board would consult pharmacists, doctors, engineers, and the Institute of Chemistry on definite points connected with their individual branches. The selection of Lieut.-Colonel Harrison for the inaugural address was particularly appropriate at the present time, when pharmacists are so much exercised regarding their status in the Army.

Mr. Jenkin regretted that the continuity of the classes on microbiology had been broken, and he was afraid the interest in them would flag as a consequence. Many pharmacists would prefer to take the practical course in the quiet months of the year.

Mr. Harrington seconded the report, which was adopted.

General Purposes Committee.

The report of this Committee was next taken. It included a report of the results of the July examinations and the granting of diplomas to three lady pharmaceutical chemists—Isabella Campbell, Elsie May Charnock, and Ellen Emma Sparling. It also stated that Sir Alfred Keogh had consented to receive a deputation of the Council, and the President, Vice-President, Messrs. Keall, Skinner, Rowsell, Parry, and Hines had been selected to interview the head of the R.A.M.C. The following letter had been addressed to the President by Lord Derby, writing from the War Office (Contracts Department):

"For some time past the War Department has had the advantage of the assistance of the Secretary of your Society in connection with the purchase of medical stores for the Army.

The work which Mr. Woolcock has done has been of very great value, and I desire to offer to you and to the Council of the Society my cordial thanks for allowing the Department to have the services of their chief executive officer.

The success with which Mr. Woolcock has carried out his work has led to a proposal that he should be given a post of greater responsibility in which the work will make greater demands upon his time, and I accordingly write to you to ask whether you could arrange to relieve Mr. Woolcock of a still larger proportion of the Society's work.

It is understood that there are certain statutory duties of which it might be difficult to relieve Mr. Woolcock, but I should be very grateful if you could meet the Department as far as you possibly can in this matter.

I may add that it is hoped to arrange to give Mr. Woolcock the rank of an Assistant Director of Army Contracts."

To this the President replied that he would place the matter before the Council, and that he had no doubt the Council would meet the War Secretary's wishes in every possible way. The Committee had carefully considered Lord Derby's request, and recommended that the Council should accede to it on the understanding that the sum of 500*l.* would be deducted from the Secretary's annual salary so long as he held his Government post. The deputation which waited upon the Food Controller with regard to the supply of sugar for pharmaceutical purposes were advised to tell pharmacists to get in touch with local distributing authorities. Reference was also made to the "Gazette" notice (see p. 37) regarding the use of glycerin and sugar in certain pharmacopœial preparations, and to an informal conversation with the Institute of Chemistry regarding the use of the title "chemist."

The President, in moving the adoption of the report, said the deputation to Sir Alfred Keogh was an indication that they were nearer a solution of the problem. With regard to the letter he had received from Lord Derby, he thought the Council were to be congratulated on the fact that their chief executive officer had proved himself so valuable to the Government. He (the President) appreciated thoroughly the great assistance Mr. Woolcock had rendered whereby the Government had been able to spend properly the funds at its disposal in supplying the right kind of drugs and medicines for the Army. Mr. Woolcock's services have already been of immense service to the Government, and he (the President) felt sure all members of the Council would agree to Lord Derby's suggestion. He thought it should be arranged that Mr. Woolcock attend at Bloomsbury Square at least once a day, and oftener if possible, but that at any time he was required for the Society's business attention should be given to it. If any further clerical assistance were required no doubt the Council would sanction it, and Mr. Woolcock's fellow-officers had expressed themselves as willing to do everything to assist. With regard to the new "Gazette" Order, pharmacists had to guard against prosecution under the Sale of Food and Drugs Acts, and it was desirable that there should be uniformity in the unofficial formulæ for the preparations indicated. In the latter connection it might be advisable to provide an appendix to the B.P. Codex which might be sold at a cost of 6*d.* or 1*s.* Furthermore, the attention of the Local Government Board would be called to the changes, so that chemists might not be harried by Food and Drugs Acts inspectors unnecessarily. With regard to the title "chemist" there had been some discussion in the Press, but most people did not realise the many difficulties connected with the subject.

Mr. Rowsell, on the sugar-supply question, said it was all very well recommending pharmacists to keep in touch with local Food Committees, but he thought the attention of the Food Controller should be called to the matter, so that he might ensure that local Food Committees had adequate supplies to meet pharmacists' demands.

Mr. Skinner said it was simpler for chemists to register through a grocer, seeing that most chemists bought their sugar from grocers before the war. They would thus be certain of a proper proportion of their pre-war supply.

The President replied that the trouble in that case would be that there was no record of retail sales.

After further discussion it was agreed that Mr. Rowsell's suggestion was a good one, and that it should be acted upon.

The report, seconded by Mr. Harrington, was unanimously adopted.

Herbarium Prizes.

The Herbarium competition was reported upon by Mr. E. M. Holmes, who awarded the prizes as follows: *Silver Medal*: Kathleen Harrison (East Finchley); *Bronze Medal*: Harry Spencer (Accrington); *Certificate of Honour*: Doris Mary Moss (Cambridge). Mr. Holmes was thanked for his services.

A Domestic Interlude.

An unusual and agreeable episode closed the public business. The President had before him on the table a parcel wrapped in white tissue-paper—quite an unofficial adornment. He rose and in an eloquent and witty speech intimated that the members of the Council thought it proper to mark an event rather unusual in the annals of the Society. It was an open secret that the wife of the Vice-President had presented him with their first son, and they were all glad to know that (after a time of considerable anxiety) both Mrs. Neathercoat and son were now going on well. He, therefore, presented Mr. Neathercoat, on behalf of his fellow-Councillors, with a silver cradle as a memento of the event.

The Vice-President, who was obviously taken by surprise, replied with considerable feeling, and the Council thereafter went into Committee.

Velpeau Crepe Bandages are so called from Alfred Velpeau, a Paris surgeon of the middle of the nineteenth century, who introduced this form of bandage.

Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts.

July Tariff Prices.

The following are the changes noted in the July list of drugs and chemical appliances issued by the National Health Insurance Commissioners for England and Wales:

Lower: Adeps benz., 1*s.* 10*d.* lb.; adeps præp., 1*s.* 7*d.* lb.; liq. hamamelidis, 1*s.* 5*d.* lb.; ol. cadini, 3*s.* 10*d.* lb.; pil. colocyn. co., 83*d.* per doz.; spt. æther. co., 7*s.* 9*d.* lb.; ung. hydrarg., 4*s.* lb.; ung. hydrarg. ammon., 3*s.* lb.; ung. hydrarg. nit. dil., 2*s.* lb.; ung. hydrarg. oleat., 2*s.* 10*d.* lb.; ung. pot. iod., 4*s.* lb.; ung. staphisagriæ, 2*s.* 10*d.* lb.; ung. sulphuris, 2*s.* 1*d.* lb.; ung. zinci, 1*s.* 10*d.* lb.; zinci valerian., 4*s.* 4*d.* oz.; rubber ice-bags, helmet shape, 72.00*d.* each.

Higher: Acid. acetylsal., 1*s.* 7*d.* oz.; acid. benzoic. (synthetic), 3*s.* 2*d.* oz.; acid. salicylic., 9*s.* lb.; ammon. benz. (artificial), 3*s.* 4*d.* oz.; ammon. ichthosulph., 5*d.* oz.; ammon. phosph., 3*s.* 10*d.* lb.; anthem. flor. exot., 4*s.* 9*d.* lb.; aq. sambuci (simp.), 6*d.* lb.; argent. nit. indur., 3*s.* 2*d.* oz.; bals. peruv., 1*s.* 11*d.* oz.; barbitonum, 10*s.* 6*d.* oz.; camphora (flowers), 4*s.* 5*d.* lb.; codeina, 4*s.* 8*d.* dr.; codein. phosph., 4*s.* 3*d.* dr.; conf. piperis, 2*s.* 6*d.* lb.; conf. sulphuris, 1*s.* 11*d.* lb.; cret. præp., 4*d.* lb.; dec. aloes co., 1*s.* 5*d.* lb.; diamorph. hydrochl., 5*s.* 6*d.* dr.; emul. petrolei c. hypophos. B.P.C., 2*s.* lb.; ext. cannab. ind., 10*s.* oz.; ext. casc. sagr. sico., 8*s.* lb.; ext. casc. sagr. liq., 2*s.* 7*d.* lb.; ext. glycyrrb. liq., 4*s.* 6*d.* lb.; glycer. acid. boric., 3*s.* 1*d.* lb.; glycer. acid. tannic., 3*s.* 10*d.* lb.; glycer. belladon., B.P.C., 7*s.* 10*d.* lb.; glycer. boracis, 2*s.* 9*d.* lb.; glycer. pepsin., 5*s.* lb.; glycer. thymol. co. B.P.C., 1*s.* 6*d.* lb.; houmatrop. hydrobrom., 1*s.* 4*d.* gr.; inf. calumb. (ex conc.), 2*s.* lb.; inf. valerian. (ex conc.), 2*s.* 4*d.* lb.; lin. camph. am. meth., 2*s.* lb.; lin. opii, 6*s.* 8*d.* lb.; lin. sap. meth., 1*s.* 7*d.* lb; liq. cresol. sap., 1*s.* 8*d.* lb.; magnesia levis, 3*s.* 10*d.* lb.; magnesia pond., 4*s.* 9*d.* lb.; mist. sennæ co., 1*s.* 1*d.* lb.; ol. menth. pip. (re-distilled), 19*s.* lb.; paraff. liq., 2*s.* 6*d.* lb.; plumbi acet., 1*s.* 8*d.* lb.; podoph. res., 1*s.* 9*d.* oz.; pot. bicarb., 2*s.* 6*d.* lb.; pot. nit., 1*s.* 5*d.* lb.; pot. permang., 17*s.* lb.; pot. sulph., 1*s.* 9*d.* lb.; pulv. kino co., 6*s.* 8*d.* lb.; pulv. opii co., 9*s.* 6*d.* lb.; sacc. lact., 2*s.* 7*d.* lb.; salol, 1*s.* oz.; scammon. res., 13*s.* lb.; sodii phosph. acid., 2*s.* 6*d.* lb.; sodii salicylas (cryst.), 11*s.* lb.; spt. æther. nitrosi, 5*s.* 4*d.* lb.; strych. hydrochlor., 5*s.* 6*d.* oz.; tab. acid. diethylbarb. gr. v., 18.12*d.* per doz.; thymol, 4*s.* 3*d.* lb.; tr. camph. co., 4*s.* lb.; tr. cannab. ind., 12*s.* 10*d.* lb.; tr. cantharidini, 7*s.* lb.; tr. cinchon. co., 5*s.* 6*d.* lb.; tr. opii, 7*s.* 10*d.* lb.; tr. opii ammon., 7*s.* lb.; tr. quin. ammon., 4*s.* 9*d.* lb.; ung. gallæ c. opio, 7*s.* 8*d.* lb.; zinci oxid., 1*s.* 4*d.* lb. *Appliances*: Lints, unmedicated, in packets, 1-oz. 2.25*d.*, 2-oz. 4.33*d.*, 4-oz. 8.50*d.*, 8-oz. 16.7*d.*, 1-lb. 33.00*d.*; wools, cotton (interleaved), in packets, 1-oz. 1.67*d.*, 2-oz. 3.00*d.*, 4-oz. 5.50*d.*, 8-oz. 10.50*d.*, 1-lb. 20.00*d.*; gutta-percha tissue, per yard 16.00*d.*; tow, per lb. 5.00*d.*

Reports from Local Centres.

ENGLAND.

Birmingham.—The Pharmaceutical Committee has issued a circular to panel chemists containing the following instructions in regard to Insurance dispensing: On and after August 1 next methylated liniments are to be dispensed, unless specially ordered otherwise, whenever a prescription calls for aconite, belladonna, ammoniated camphor, opium, soap, or A.B.C. liniment. Mist. quin. of the Birmingham Insurance Pharmacopœia is to be compounded, from September 1, according to the subjoined formula:

Quin. sulph.	gr. xxxij.
Acid. sulph. dil.	♏xl.
Inf. aurant.	ʒij
Mist. chlorof. ad	℥viij.

In regard to bandages the instruction of the Panel Committee of April 1916 is reproduced for general information: "When bandages are ordered without specification of length or kind, it is to be understood that white open-wove are intended, 4 yds. long for 1-in., 6 yds. long for other widths."

Bradford.—The report of the Pharmaceutical Committee for 1916-17 states that nine meetings have been held during the year, with Mr. D. S. Priestley as Chairman, Mr. Penty Vice-Chairman, and Mr. F. E. Burdett Secretary. The introduction of a rota for Sunday and night service, the adoption of stock mixtures by the Panel Committee, the Leeds Conference of West Riding Pharmaceutical Committees, and the work of the Checking Bureau are the principal subjects discussed. The Insurance Committee has decided that when medicated waters are prescribed the distilled variety must be dispensed. At the meeting of the Pharmaceutical Service Sub-Committee a complaint by a doctor against a panel chemist was satisfactorily settled. At the request of the Committee investigating the Tariff, various time dispensing-tests were undertaken and the results forwarded to the proper quarter.

Essex.— The annual meeting of the Insurance Committee was held at River Plate House, Finsbury Circus, London, on July 31, when Mr. J. H. Burrows was re-elected Chairman and Mr. E. N. Buxton Vice-Chairman. The Finance Sub-Committee reported that the Commissioners had credited the Committee with 1,306*l.* on account of temporary residents during 1915, this sum including 286*l.* 17*s.* 5*d.* due to chemists for drugs. This is the last payment to be made on account of temporary residents. The Sub-Committee had ordered payment of 825*l.* 18*s.* 5*d.* to chemists for 1916 in respect of the war allowance of 0.3*d.* per prescription, and this was approved by the Committee. The Medical Benefit Sub-Committee's report (which was adopted) stated that the Pharmaceutical Committee do not press for payment of an additional fee for prescriptions dispensed after 9 P.M. Arrangements have been made with chemists in the Metropolitan part of the county by which certain shops will remain open for the dispensing of prescriptions till 9 P.M. except on Sundays, Bank Holidays, and the early-closing days. The Commissioners have informed the East Anglian Pricing Committee that the value of the prescriptions for 1916 will probably exceed the amount in the Drug Fund for the year, and therefore no portion of the "floating sixpence" will accrue to the practitioners. Messrs. H. J. Neeson (Manor Park) and E. B. Humphreys (Upminster) have been added to the chemists' panel.

Kent.—The Insurance Committee met at Maidstone on July 25, Mr. C. Igglesden presiding. The Finance Sub-Committee's report showed that the amount due from the Committee to the Joint Pricing Bureau was 646*l.* 18*s.* 8*d.* The Commissioners have made an annual grant of 310*l.* for the years 1916 and 1917 towards the cost of pricing prescriptions. Both pricing and checking are now being done by the Bureau. The Sub-Committee drew attention to the extra expense incurred in this work owing to the delay of chemists in rendering accounts, which is estimated to add one-third to the cost of the Bureau, and suggested that the offenders should be compelled to defray the additional expense. The Commissioners have agreed to the suggestion, and the Committee adopted it. A circular letter has already been issued informing chemists of the proposed action. On the recommendation of the Pharmaceutical Committee certain of the formulæ contained in the Kent County Formulary are to be amended. Complaint was made of a doctor who charges panel patients for medicine and fails to keep records of the treatment of insured persons, and he is to be severely censured.—Mr. T. T. Davis (Tunbridge Wells) and F. G. Curtis & Sons (Folkestone) have joined the chemists' panel.

London.—At the annual meeting of the Insurance Committee on July 26, Mr. Kingsley Wood and Mr. P. Rockcliff were elected Chairman and Vice-Chairman respectively for the ensuing year. The retiring Chairman (Mr. J. Howarth) was thanked for his services. It was resolved to substitute mist. tragac. chlorof. (*C. & D.*, July 28, p. 45) for glycerin and sugar in the preparations of the London Insurance Pharmacopœia. The report and recommendations of the Pharmaceutical Service Sub-Committee were adopted. Among the accounts passed for payment were the following to chemists: For the medical year 1915, 173*l.* 17*s.* 7*d.*; for 1916, 31*l.* 1*s.* 9*d.*; for 1917, 5,801*l.* 13*s.* 6*d.* Dr. Noel D. Bardswell, M.V.O., was elected medical adviser to the Committee, *vice* Dr. Squire, deceased.

Middlesex.—At the meeting of the Insurance Committee on July 30, at the Guildhall, Westminster, Mr. W. S. Glyn-Jones, M.P., was elected Chairman and Mr. W. W. Kelland Vice-Chairman. The Joint Services Sub-Committee reported on the case of a complaint by a medical practitioner against a chemist who had altered the doctor's prescription without communicating with him. The chemist contended that he was justified in the alteration where, as in this case, the prescription, in his opinion, defeated the intention of the prescriber. It was decided to inform the chemist that under no circumstances is he justified in making such an alteration without first consulting the doctor, but that as in this case he had acted *bonâ fide* no further action will be taken. The accounts passed for payment included 3,186*l.* 13*s.* 7*d.* to chemists and 251*l.* 18*s.* 9*d.* to the Pharmaceutical Committee for administrative expenses.

Portsmouth.—At the meeting of the Insurance Committee on July 26, the Clerk's report showed that the number of prescriptions had decreased by 22 per cent. since 1914, the total in 1916 being 131,930. The cost of medicines for the year was 3,521*l.* *plus* 77*l.* for drugs under Sanatorium treatment. The Finance Committee's return of the pricing of prescriptions for May showed the number of scripts as 8,753; amount allowed, 231*l.* 2*s.* 4*d.*; average cost, 6.33*d.* Balancing payments are to be made to chemists. Figures were given demonstrating how favourably Portsmouth compared with the whole of the South-Eastern area during the first quarter of 1917. These showed the average ingredient-price to be 2.65*d.* (against 3.17*d.* for

the S.E. area); average dispensing-fee, 2.86*d.* (against 2.89*d.*); total cost per insured person, 4.12*d.* (against 5.18*d.*). Alderman Sir Scott Foster, J.P., who was unanimously re-elected Chairman, paid a high compliment to the Clerk (Mr. H. C. Sawyer) for the manner in which he had carried out his duties, and then gave an interesting *résumé* of the conditions of Insurance work during the year. Out of the sixty-four doctors on the panel, over forty are engaged on military duty; and while every pharmacy in the town is at present open, staffs are greatly diminished, and in practically every instance only one qualified chemist remains. There were 51,511 persons on panel lists during 1916, showing how the work of the Committee is affected by dilution of labour in the Dockyard, the displacement of men by women in Government and controlled establishments, etc.

Shropshire.—The Pharmaceutical Committee met on July 26, when the chief topic of discussion was the terms upon which the Committee is prepared to recommend panel chemists to accept State service for 1918. It was generally agreed that at present prices the dispensing does not yield anything like satisfactory results. The fallacy of fixing a dispensing-fee at so much an hour was recognised, as the early morning and late evening (when the work has principally to be done) are the chemist's most valuable time, most of his other business being then crowded upon him. It was decided to call a meeting of panel chemists early in September to discuss the position, and to urge upon the Local Associations Executive the necessity of making representations to the Commissioners for better terms.

SCOTLAND.

Aberdeen.—The Burgh Insurance Committee met on July 26, Mrs. Ogilvie Gordon presiding. The report of the Pharmaceutical Service Sub-Committee, dealing with certain cases of chemists' dispensing, was adopted. A letter from the Pharmaceutical Committee suggested that local inspectors should be appointed to test prescriptions in chemists' shops, or that the Commissioners should be asked to appoint an inspector for the whole of Scotland. The matter was remitted to the Medical Benefit Sub-Committee for consideration. The Chairman and Messrs. Lunan, Milne, and Craig were appointed representatives to the meeting of the Scottish Association of Insurance Committees to be held at Perth in October. The Chairman was nominated as a member of the Association's Executive. Miss Hay was appointed female representative to the Pharmaceutical Service Sub-Committee.

Dundee.—The Insurance Committee met on July 18, when the Clerk reported that the balance for distribution among the doctors for 1915 was 1,583*l.* Bailie Noble inquired regarding irregular prescribing, and the Clerk replied that the Committee had almost unlimited power in the matter, and that a doctor who violated the Medical Benefit regulations could be surcharged if he prescribed extravagantly either in regard to the quantity or the character of the drugs.

Paisley.—The annual report of the Burgh Insurance Committee states that during last year the amount paid to chemists was 1,806*l.* 5*s.* 1½*d.* The prescriptions dispensed numbered 48,198, the average cost being 8.99*d.* per prescription.

July Drug-prices.

The July Appendix to the Drug Tariff shows alterations in the prices of forty-three items—four decreases and thirty-nine increases. Appended is a selection comprising the alterations in values from those previously published in the *C. & D.*:

Name	oz. s.	oz. d.	dr. s.	dr. d.
Acid. acet. glac...	0	4½	0	1
,, citric. ...	0	6½	0	1
,, salicylic. ...	0	9½	0	1½
Ammon. benz. ...	4	8	0	8
Bals. peru ...	2	5½	0	4½
Betacain. hyd. ...	—		11	11
Bismuth. salicyl.	2	0	0	3½
Butyl-chlor. hyd.	11	2½	1	7½
Caffeina... ...	5	11½	0	10½
Caffeinæ citras ...	4	2½	0	7½
Calc. glyceroph...	2	0	0	3½
Chloral hydras ...	1	3½	0	2½
Codeina	—		6	6½
Codeinæ phosph.	—		5	11½
Creosotum ...	1	7	0	3
Ext. bellad. liq.	1	7	0	3
,, cannab. ind.	—		1	11
,, nuc. vom. sic.	1	6½	0	3
Guaiacol carb. ...	17	3½	2	6
Hexamina ...	0	7	0	1
Hydrarg. ammon.	1	1	0	2
,, perchlor.	1	0	0	2

Name	oz. s.	oz. d.	dr. s.	dr. d.
Lin. camph. ...	0	2½	0	0½
,, opii ...	0	7	0	1
Lithii carb. ...	1	0	0	2
,, citras ...	1	0	0	2
Mag. carb. pond.	0	2	0	0½
Magnes. pond. ...	0	5	0	1
Malourea, B.P.C.	14	8½	2	1½
Naphthol ...	1	9	0	3
Ol. menth. pip....	1	7	0	3
,, santal. ...	6	5	0	11
Phenacetin. ...	10	6	1	6
Phenolphthalein.	11	2½	1	7½
Potass. brom. ...	0	8½	0	1½
Resorcinum ...	11	11	1	8½
Salol	1	3½	0	2½
Sodii benz. ...	4	0	0	7
Tab. phenacet.	1*s.* 7½*d.* doz., rate of			
Tab. phen. co.	1*s.* 5½*d.* doz., rate of			
Thymol	4	11	0	8½
Ung. belladon....	1	8	0	3
,, hydrarg. ...	0	5	0	1

Trade Report.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. As a result of the War wholesale houses have had to contend with many fresh difficulties, some of which have involved greatly increased expenses. Shortage of labour with higher wages (equal to almost double pre-war rates) has a direct effect upon values of goods, as also have railway carriage, freights, cartage, and other charges. The foregoing and other incidental outlays prevent retail buyers purchasing at the market prices quoted here.

42 Cannon Street, E.C. 4, August 2, 5.30 p.m.

Business in most directions remains quiet, and what price-movements have occurred have been slight. Next week, in view of the approaching holidays, markets will be still quieter. Among the synthetic group, the few features include a slight advance in chloral hydrate for prompt delivery. Bromides are unchanged, and salicylates are very firm. Acetanilide and hexamine are both pressed for sale, with a light demand, and are easier. Benzoates are cheaper in view of arrivals (especially soda benzoate). Phenazone and amidopyrin remain firm. Cream of tartar has advanced a further 2*s.* 6*d.* on excessive scarcity and good inquiry. Quinine has been in better jobbing demand, and prices are dearer but irregular, with dwindling stocks. Among drugs, cascarilla has been sold at last week's auction rates, gentian has been in fair demand, and turmeric has been selling at higher rates. Lycopodium is becoming scarcer. In essential oils, both African and Bourbon are dearer. New French lavender is likely to be a good crop, provided sufficient fuel is available; both neroli and French rose are likely to show small yields. Chinese star-anise and cassia oils on the spot are dearer, and Japanese oil of mint has advanced 3*d.* Lemongrass and palmarosa oils are scarce on the spot.

Higher	Firmer	Easier	Lower
Anise oil, star	Balsam tolu	Acetanilide	Benzoic acid
Atropine	Cream of tartar	Copper sulphate (export)	Calcium lactate
Cassia oil	Ergot	Hexamine	Rosin
Chloral hydrate	Gentian	Turpentine	
Cinnamon	Lemongrass oil		
Codeine salts	Menthol		
Coriander-seed	Mint oil (Jap.)		
Geranium oil	Tamarinds		
Mace			
Milk-sugar			
Petroleum			
Quinine			
Turmeric			

Cablegram.

New York, August 2.—Business in drugs is quiet. Menthol is lower at $2.85, and peppermint oil in tins has advanced to $2.95. Guarana is lower at 95c. Cartagena ipecacuanha has advanced to $2.45, and hydrastis (golden seal) is lower at $5.35 per lb.

Acetanilide is being pressed for sale at from 2*s.* 9*d.* to 2*s.* 10*d.* per lb., according to quantity and seller.

Albumen and Chinese egg-products are unsettled, owing to the fact that the Food Controller has asked merchants and importers to furnish returns of their stocks and c.i.f. contracts.

Aloes.—The exports from the Union of South Africa during April 1917 were nil, against 76,042 lb. (635*l.*) in April 1916. During the four months ending April 30, 1917, the exports were 113,473 lb. (1,063*l.*), against 406,239 lb. (3,663*l.*) for the corresponding period of 1916.

Amidopyrin is very firm, and worth 70*s.* per lb. net.

Anise Oil, Star, is 1*d.* per lb. dearer on the spot, with sales in five-case lots at up to 3*s.* 7*d.* for "Red Ship" brand.

Antimony.—Chinese crude on the spot is quoted at 45*l.* per ton, and for July-September shipment 40*l.* to 41*l.* c.i.f. is asked.

Atropine is dearer; makers have advanced the price of crystals to 140*s.* and sulphate to 125*s.* per oz. net.

Balsams.—B.P. *Copaiba* continues scarce on the spot, Central American offering at 5*s.* per lb., and filtered Para at 3*s.* 4*d.* Unfiltered Maranham in casks is 5*s.* 2*d.* and filtered in cases 5*s.* 6*d.* per lb. Genuine *Peru* in cases is 18*s.* 6*d.* per lb. net to arrive. *Canada* is 4*s.* 10*d.* net. *Tolu* is now 2*s.* 4*d.* net for good quality on the spot.

Benzoates.—Benzoic acid is quoted at from 26*s.* to 28*s.* and benzoate of soda at 23*s.* 6*d.* to 25*s.* per lb. net on the spot. Several arrivals have taken place lately.

Bromides.—At present range of values there seems little possibility of any appreciable reduction, and buyers cannot go far wrong in filling their requirements. Potash crystals are 6*s.* 6*d.*; granular, 6*s.* 3*d.*; ammonium, 3*s.* 9*d.* to 4*s.*; sodium, 2*s.* 8*d.*

Buchu.—The exports from the Union of South Africa during April 1917 were nil, against 34,427 lb. (5,705*l.*) in April 1916. During the four months ending April 1917 the exports were 89,314 lb. (14,622*l.*), against 82,214 lb. (13,833*l.*) for the corresponding period of 1916.

Calcium Lactate is expected to be available in larger quantities from a neutral source; price to come forward is 9*s.* per lb., and even this figure can be shaded for large lots.

Camphor (Refined).—English refined remains firm at 3*s.* 6*d.* for bells and 3*s.* 5*d.* for flowers, but prompt delivery is difficult to obtain; and the expected supplies of crude do not always materialise.

Capsicums.—Dull at auction, 61 bales East Indian being bought in at 50*s.* for middling stalky, partly perished.

Cardamoms.—The demand has somewhat revived, principally for American account, but the choice among good bold pale parcels is limited. Good medium are worth from 3*s.* 8*d.* to 3*s.* 10*d.* and small about 2*s.* 9*d.* per lb.

Cascarilla.—Since the sale effected in auction last week further business has been done in stringy quillings at 1*s.* 6*d.* per lb.

Cassia Oil is dearer on the spot owing to scarcity, with sales up to 5*s.* per lb. (an advance of 3*d.*), with other tests quoted in proportion.

Chillies.—At auction 57 packages Zanzibar were bought in at 90*s.* for fair.

Chloral Hydrate is rather dearer at 8*s.* 6*d.* per lb. net in bond or 10*s.* 3*d.* duty paid. Supplies for prompt delivery are somewhat short.

Cinnamon is dearer, Ceylon firsts being held for 1*s.* 4*d.*, seconds 1*s.* 3*d.*, thirds 1*s.* 2*d.*, fourths 1*s.* 1*d.*, and chips 7*d.*

Citric Acid remains on the easier side at 3*s.* 3*d.* to 3*s.* 4*d.* per lb. on the spot.

Clove Oil.—English distillers offer at from 9*s.* 6*d.* to 10*s.* per lb.

Cloves show a recovery, spot sellers asking 1*s.* 3*d.* per lb. for fair Zanzibar, with buyers at 1*s.* 2*d.* At auction 10 bales Zanzibar were bought in at 1*s.* 2*d.* for dark small, and five cases picked Penang at 1*s.* 8*d.*

Codeine has advanced by 3*s.* per oz., makers quoting crystals and precipitated at 25*s.*, hydrochloride, phosphate, and sulphate at 22*s.* per oz. net.

Copper Sulphate.—The quotation of 50*l.* per ton for agricultural purposes ceased on July 31, and there is now no longer any obligation on the part of the retailer to sell at 6½*d.* per lb., the Food Production Department intimating that 8*d.* per lb. is not an excessive price in England and Wales. Export business is practically at a standstill, and prices have an easier tendency at from 62*l.* to 63*l.* per ton f.o.b. Liverpool.

Coriander-seed.—New crop is dearer, 55*s.* c.i.f. having been paid, and 57*s.* 6*d.* is now asked.

Cream of Tartar remains in good inquiry, but owing to scarcity the demand cannot be satisfied; 98-per-cent. powder is dearer at 255*s.* per cwt., and 99 to 100 per cent. is 257*s.* 6*d.*

Ergot is firmer, with spot sales of sound Russian at 2*s.* 1*d.* net, and 2*s.* 2*d.* is now asked. Portuguese and Spanish are unobtainable.

Fenugreek-seed is very firm, owing to short crop in Morocco. East Indian has been sold at 37*s.* 6*d.* on the spot, and Morocco at 38*s.* per cwt. c.i.f. terms on passage.

Formaldehyde remains firm at 130*s.* per cwt. net on spot.

Gentian is in fair demand, with spot sales of bold French at 77*s.* 6*d.* to 80*s.*; to arrive is offered at about 65*s.* c.i.f.

Geranium Oil has been rising owing to the difficulties in obtaining fresh supplies, with sales of African and Bourbon to come forward at about 18*s.* per lb. c.i.f., which is an advance of 2*s.* 6*d.* to 3*s.* on previous prices.

Ginger.—Firm but slow. At auction 300 bags fair washed rough Cochin were bought in at 72*s.*, 128 bags brown rough Calicut at 70*s.*, 336 bags good limed Japanese at 45*s.*, and 100 bags fair Sierra Leone at 60*s.*

Glycerophosphates.—Owing to the arrival of several American parcels, are more freely offered. The price of sodium is 7*s.* 6*d.* per lb. net.

Gum Acacia is unaltered, with fair Kordofan sorts offering at 80*s.* and cleaned at 85*s.* per cwt. on the spot.

Gum Acaroides.—The exports from South Australia during 1913, the last normal year, amounted to 21,643 cwt., two-thirds of which was shipped to Germany, where it is said to have been used in the manufacture of furniture polish for metal-ware.

Homatropine Hydrobromide is offered at 285*s.* per oz., and pure homatropine at 350*s.* per oz.

Honey.—At last week's reduced level of prices a fair demand has been shown.

Lavender Oil.—It is anticipated that the new French crop will be good owing to timely rains; distillation will commence in about a fortnight, the chief difficulty being the shortage of fuel.

Lemon Oil.—The demand continues poor on the spot, and competition among holders for what few orders are being placed is keen; 4*s.* 3*d.* will readily buy good brands. C.i.f. prices show much irregularity, but two reliable Messina houses have cabled 4*s.* 6*d.* to 4*s.* 9*d.* this week, exclusive of war-risk insurance. There has been evidence lately of a larger demand in Sicily for English account.

Lemongrass Oil.—Cochin on spot is firmer; 4*d.* per oz. has been paid and refused.

Lithia Carbonate is rather firmer at from 5*s.* 6*d.* to 5*s.* 9*d.* per lb. net.

Lycopodium.—With smaller stocks prices are rising, 5*s.* 6*d.* per lb. being wanted for treble-sifted.

Menthol.—In rather more demand, with spot sales of Kobayashi-Suzuki at 11*s.* per lb., being firmer; to arrive, 12*s.* c.i.f. is quoted.

Milk-sugar.—We confirm last week's statement in regard to the general position, and this especially applies to Holland, so that the limited spot stocks are likely to command increased values. We regard 225*s.* as a fair price for B.P. powder.

Mint Oil.—Japanese dementholised is firmer, with spot sales at up to 3*s.* 3*d.* per lb., an advance of fully 3*d.*; no c.i.f. price appears to be available.

Palmarosa Oil.—East Indian is very scarce at 13*s.* 6*d.* per lb. on the spot.

Pepper.—Steady but quiet, with spot sellers of fair *black* Singapore at 10¾*d.* and Tellicherry at 11½*d.*; Singapore *white* is 1*s.* 0¼*d.* for fair, and Muntok 1*s.* 0½*d.*

Peppermint Oil.—The spot quotation for American H.G.H. is now 18*s.* 6*d.* London terms, and good brands of tin oil offer at from 13*s.* to 13*s.* 6*d.*

Petroleum has advanced to 1*s.* 3½*d.* per gal. for ordinary refined American and to 1*s.* 4½*d.* for water-white.

Phenolphthalein is quoted at from 91*s.* 6*d.* to 92*s.* 6*d.* per lb. net on the spot as to holder.

Pimento.—At auction 253 bags offered and were bought in at from 3½*d.* to 3⅝*d.*; sellers privately ask 3½*d.*

Potashes meet with a slow sale, and the prices are nominal at 200*s.* to 205*s.* per cwt. for first Montreal.

Pyrogallic Acid remains firm at 16*s.* 6*d.* per lb. for crystals and 17*s.* 6*d.* for resublimed.

Quassia-chips can be had at 35*l.* per ton on the spot.

Quinine meets with rather more demand, with sales from second-hands at from 2*s.* 9*d.* to 2*s.* 10*d.*, spot parcels available being by no means plentiful. The Government continues to take over a considerable portion of the imports, but they have released various parcels, although not in sufficient quantities to ease the position materially. Orders have been booked by the makers in limited quantities for forward delivery.

Rhubarb.—A fair business has been done in flat High-dried (stocks of which are getting into smaller compass) at 1*s.* 8*d.* per lb.

Salicylates.—The anticipations of the English makers in regard to their output do not appear to have been realised, and the production has fallen a long way behind what was expected. At the same time, it must be said that the demand has considerably increased as a result of the low prices, which are very favourable as compared with this time last year. The position now is that there are not sufficient supplies available to meet the demand, and the price gradually creeps up month by month. Salicylic acid can be bought to come forward at 7*s.* 6*d.* per lb., and sodium salicylate at from 8*s.* 6*d.* to 9*s.*, with spot parcels changing hands at an advance on those figures.

Sarsaparilla.—In the absence of first-hand supplies of genuine grey Jamaica, Lima, and native Jamaica, no business is passing.

Senega.—A fair quantity of new crop has been sold to arrive, and further business could be done at 3*s.* 3*d.* c.i.f.

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Shellac.—Quiet, with small spot sales of usual standard quality TN Orange at from 220*s.* to 222*s.*, and fine Orange at 285*s.*; sellers of blocky AC Garnet quote 227*s.* 6*d.*

Soy.—No imports have taken place for a lengthy period, and spot stocks are practically exhausted.

Spermaceti.—American refined is offered at from 9*d.* to 9½*d.* net per lb. on the spot as to quantity.

Tamarinds.—New crop Barbados are now offered at 37*s.* 6*d.* per cwt. in bond and black Calcutta at 40*s.*

Turmeric has been selling at higher rates, fair Madras finger realising 50*s.* per cwt. on the spot, with 52*s.* 6*d.* asked.

Turpentine has been quiet and a trifle easier on the week, closing at 55*s.* 6*d.* for American on spot.

Arrivals of Chemicals, Drugs, etc.

The following are among the arrivals at the ports of London and Liverpool during the period July 21 to 27 inclusive:

To London.

Acetic acid, 140 brls. 127 cbys.
Alcohol, wood, 7,990 gals
Ammon. phosph., 172 cks.
Ammon. sulpho-ichth., 5 cs.
Anisaldehyde, 2 cs.
Antim. reg., 114 tons
Argol, 206 bgs.
Arsenic, 700 cwt.
Barbitone, 2 cs.
Benzoic acid, 60 cs. 50 kgs.
Benzoin, 68 cwt.
Benzyl acetate, 3 cs.
Bromides: ammon., 20 cs.; potash, 40 cs.; soda, 70 cwt. 20 cs.
Calcium cit., 23 cks.
Casein, 3,759*l.*
Chamomiles, 14 bls.
Chemical products, unrated, 2 cs. 43 pkgs.
Coumarin, 2 cs.
Cream of tartar, 17 brls.
Dental goods, 1,451*l.*
Drugs, various, 63 cs. 32*l.*; herbs, dried, 290 bls.; roots, dried, 55 bdls.; seeds, dried, 15 bgs.
Dyestuffs, various, 11 brls. 62 pkgs.; indigo, 14 chts. 130 cs.; logwood ext., 9 brls.; myrabolans, 7,170 pkgs. 850 pockets; paraphen. diamine, 2 kgs.; quebracho ext., 715 bgs.
Euphorbia pil., 7 bls.
Fullers' earth, 20 tons
Galangal, 50 bgs.
Gallic acid, 3 brls.
Galls, 225*l.*
Gelatin, 599*l.*
Gentian, 99 bls.
Glycerin, dist., 12,676*l.*
Glycerophosph. lime, 2 cs.
Gums: acacia, 96 cwt.; karaya, 24 cwt.; kauri, 231 cwt.; olibanum, 115 cwt.; tragacanth, 160 cwt.
Hæmatogen, 120 cs.
Heliotropin, 4 cs.
Hellebore, 15 bgs.
Henna, 26 bls.
Hyacinthin, 2 cs.
Lime-flowers, 6 bls.
Lithopone, 400 cks.
Metol, 1 cs.
Mineral white, 180*l.*
Musk, 2,000*l.*
Myrrh, 19 cwt.
Nuts and kernels (cwt.): arachis, 2,300; coopra, 14,871; palm-kernels, 24,500; various, 212
Oils, essential, natural, 266 cs. 11 dms.; anise, star, 170 cs.; camphor, 1,020*l.*; synthetic oils, 6 cs.
Oils, fixed: arachis, 15,850 cs.; coconut, unref., 1,100 cs. 17 pns. 1 hhd. 73 pkgs. 1,009 pps.; fish, 2,433 cs.; herring, 450 cs.; rape-seed, 2,100 cs. 1,450 cks.; soya-bean, 400 cs. 100 brls.; train, 3,500 cs.; whale, 335 cs.; wood, 6,088*l.*
Ointment, 293*l.*
Opium, 77 cs.
Orris, 27 bgs.
Oxalic acid, 62 cks.
Paraldehyde, 4 cs.
Perfumery, unrated, 1,732*l.*
Phenazone, 50 cs.
Potash iodide, 18 cs.
Quinine, 135,800 oz.
Resorcin, 1 cs.
Rosin, 1,000 brls. 60 cks.
Saltpetre, 280 cwt.
Sandalwood, 199 bdls.
Sarsaparilla, 8 bls.
Scammony-root, 547 bls.
Seeds (bgs.): canary, 40; castor, 6,232; coriander, 99; cumin, 12; dari, 2,133; dill, 783; fennel, 50; lin, 36,890; mustard, 140; quince, 1 bg.; rape, 6,355; various, 808
Senna, 128 bls.
Serums, 2 cs.
Shellac, 293 cwt.
Soda salicylate, 10 cwt.
Sponge, 25 bls.
Starches (cwt.): farina, 18,823; maize, 6,326; potato flour, 36,902 rice, 5,014
Stick-lac, 198 cwt.
Stovaine, 1 cs.
Sulphur fumigators, 30 cs.
Tallow, unref., 3,084 cwt.
Tannic acid, 14 cks.
Tannin album., 1 cs.
Theobromine, 9 cs.; theosoda sal., 5 cs.
Vacuum flasks, 1,106*l.*
Valerian, 13 bls.
Vanilla, 14 cs.
Wax, paraffin, 2,762 cwt.
Waxes, undescribed, 140 cs. 20 pkgs. 16 brls. 351 bgs.
Zinc oxide, 217 brls.

To Liverpool.

Acetic acid, 54 brls.
Ammon. phosphate, 105 bls.
Argol, 329 bgs.
Beryllium nit., 1 cs.
Borax, 107 brls.
Bromides: ammon., 5 brls.; potash, 30 cs.
Calcium borate, 7,305 bgs.
Drugs, unrated, 89 cs. 8 bls. 42 pkgs.
Dyestuffs, unrated, 25 cs. 34 brls.; chestnut ext., 353 cks.; quercitron ext., 50 bls.; red wood, 60 tons; tanning ext., 484 cks.
Lithopone, 1,127 cks.
Nuts and kernels: palm-kernels, 21,381 bgs. 296 tons
Oils, fixed: palm, 4,317 cks. 17 pkgs. 17 pns. 19 butts
Rosin, 2,400 brls. 14 cks.
Salicylic acid, 15 brls.
Soda nitrate, 8,019 bgs.
Starch, 1,537 bgs.
Tartar emetic, 2 brls.
Thorium and cerium nitrate, 21 cs.
Wax, bees', 44 sks. 357 bgs. 26 ballots
Wax, carnauba, 204 bgs.
Wax, paraffin, 220 brls

German Drug-markets.

The following notes chiefly refer to the Berlin market of June 13, 23, and 27:

Citric and Tartaric Acid remain very active, though prices are extremely high. Factories have withdrawn from the market, and nothing is offered except occasional small quantities from second-hand dealers. From m.44 to m.45 per kilo. has to be paid, and tartaric acid is from m.41 to m.42 per kilo.

Hydrochloric Acid.—Crude is required in enormous quantities for the war, and makers are quite unable to meet the demand, as the requisite sulphuric acid has been commandeered by the Government and cannot be had in sufficiently large quantities. Consequently hydrochloric acid is almost unobtainable in "free" trade. The last quotations were from m.22 to m.24 per 100 kilos. for crude; chemically pure is also very scarce, and at from m.32 to m.35 per 100 kilos.

Juniper-berries are very scarce, and new imports cannot be expected. Prices have consequently advanced, and sifted is from m.130 to m.140.

Menthol is still quoted at from m.75 to m.76 per kilo. There have been no imports for many months, but stocks are large enough.

Nutmegs have become exceedingly scarce, as importation came to a standstill several months ago. First Banda (140 to 160 to the kilo.) are quoted at from m.1,600 to m.1,610 per 100 kilos.

Oils (Essential).—*Anise* is to be had in larger quantities again, as seed has been imported from Bulgaria; white rectified is offered at from m.28 to m.30 per kilo. Genuine *Bergamot* is unobtainable, in consequence of the prohibition of importation. In Switzerland, however, there are large stocks, according to the daily papers. Prices for genuine (35 p.c.) vary from m.85 to m.90 per kilo.; synthetic, with an ester-content of from 36 to 37 per cent., is quoted at from m.65 to m.70 per kilo., but is also very scarce. Dutch twice-rectified *Caraway* is also very scarce, prices varying from m.52 to m.55 per kilo. according to quality. *Clove* is higher again, and the actual quotations vary from m.50 to m.65 per kilo. Only an artificial oil of *Eucalyptus* is offered at from m.9 to m.10 per kilo. *Peppermint.*—The importation of crude oils, especially of the better sorts, has come to a complete standstill, so that the inland stocks are only very small, and prices have advanced considerably. Twice-rectified (so-called German) oil is from m.52 to m.55 per kilo.; genuine twice-rectified English Mitcham oil, so far as is obtainable, is from m.90 to m.95 per kilo.; a German surrogate for English Mitcham oil is offered at from m.80 to m.85 per kilo., according to quality. *Mustard oil* is also scarce, and is quoted at from m.78 to m.80 per kilo., while artificial oil made from allyl alcohol, which is in active demand, but can only be delivered in small lots, is from m.27 to m.28 per kilo.

The following notes refer to the Berlin market up to July 12:

Calcium Carbonate.—As the demand is very active, prices have advanced considerably, but makers can only supply small lots. Extra light white is m.75 to m.80 per 100 kilos. now, but prompt delivery cannot be had.

Carbolic Acid (Crude).—In consequence of the commandeering of all tar oils, supplies of crude can no longer be had, except from second-hand dealers in very small quantities; 20 to 25 per cent. is m.38 to m.40; 40 to 50 per cent., m.60 to m.62; 60-per-cent., m.70 to m.72; 80-per-cent., m.82 to m.85; 95 to 100 per cent. (dark), m.95 to m.100; 95 to 100 per cent. (light), m.110 to m.115; meta-cresol, m.125 to m.130 per 100 kilos.

Carbolineum of war quality has been offered for "free" trade at from m.35 to m.40 per 100 kilos.

Cevadilla has again advanced in price to from m.850 to m.860.

Soda Benzoate (synthetic) is in very active demand as a preservative, but makers have almost entirely cleared their stocks. Quotations are from m.12 to m.14 per kilo.

Seed Oils.

Since the outbreak of war the United Kingdom has taken first place in Europe as a producer of vegetable oils. Hull in 1916 took 45 per cent. of the gross imports of linseed into the United Kingdom, 61 per cent. of the rape-seed, 59 per cent. of the cottonseed, 78 per cent. of the castor-beans, and 99 per cent. of the soya-beans. Difficulties of transport were the outstanding feature of the year. Prices were unusually high, but oil prices advanced less proportionately than cake. The mills had a very profitable year, in spite of unprecedented difficulties of operation. In quantity of oil-yielding materials dealt with Hull is now the world's greatest centre. In every year since 1912 it has surpassed Marseilles in volume. In quantity of oil produced Marseilles is still ahead, though with a decreased lead. The head of the largest oil-mill concern in England estimates the United Kingdom production of vegetable oils in 1916 at 430,547 tons, against 442,995 tons in 1915. He further estimates that the reserve of oil in the United Kingdom was increased by 120,000 tons during 1916. More than half the export trade in oil with the United States is conducted by dealers in other parts of Great Britain who buy Hull oil, sell it to the United States, and have it shipped from Hull. Of Hull's 1916 receipts, 461,737 quarters came from North America, 46,314 quarters from Archangel, and practically all the rest from India. The controlling factor in prices was the constantly increasing freight difficulty. In 1916 there was a large demand for edible oils of all sorts to keep pace with the constantly extending demand for margarine, and margarine may be expected to absorb increasing quantities of palm-kernel and coconut and cottonseed oil.

Letters for this section should be written on one side of the paper only. The writer may adopt an assumed name for purposes of publication, but he must in all cases furnish his real name and address to the Editor.

Supplying Poisons to Army Doctors.

Sir,—The idea that it is illegal to supply an Army medical man with poison for himself is foolish, and I cannot imagine what has tempted the official organ to commit itself to the statement last week that it is against the regulations to let a doctor in khaki have a preparation containing a prohibited poison. Admit, if you like, that the Army Order is badly drawn, the construing of it in the manner laid down involves much more serious contradictions than the view, which it is well known was intended at the time, that the regulation refers only to the rank-and-file and not to qualified medical men. Any doctor can write a prescription for an officer or a private, and there is nothing in the regulation to prevent a R.A.M.C. doctor from doing this; consequently there is nothing to prevent such a doctor from writing a prescription for himself. Any other interpretation of the regulation lands us in a quagmire of absurdities.

Yours truly,
Pharmacist. (91/19.)

[Our correspondent is referring to the Army Council Order made on May 11, 1916, under Regulation 40 of the Defence of the Realm Regulations (see *C. & D.*, May 20, p. 49). The Order allows the supply of the narcotic drugs mentioned in the schedule to members of the Forces who bring a prescription—duly signed and marked "Not to be repeated"—for the drug required. The chemist dispensing the prescription is required to mark it with his name and address and the date on which it was dispensed.—Ed.]

Paraffin Emulsion.

Sir,—I have dispensed the paraffin emulsion sent you by "R. M. C." (*C. & D.*, July 28, p. 51) by the method you suggest, and cannot understand why it should separate so quickly. I enclose a 1-oz. sample made on July 28, using 30 gr. of powdered acacia and 160 mins. of water to make a fresh mucilage, to which the oils were gradually added *sec. art.*, the proportions being the usual 4 oil, 2 water, 1 gum. My trouble is that it is too thick to pour, as no more water is admissible, and it requires 50 mins. more water to make it pourable. The sample sent herewith contains this extra water equivalent to 1 oz. over and above the 10 oz. ordered. The salol should first be powdered separately, mixed with the milk-sugar, then triturated with q.s. water to obliterate the crystalline character, otherwise the emulsion may have a gritty taste.

Yours, etc.,
J. G. (93/36.)

Pharmacy and the Public Services.

Sir,—Acting on the principle that full knowledge is necessary to direct action on right lines, the Progressive Pharmacy Club has invited me to collect data for a pamphlet on the subject of pharmacy and the public services, including the Army, Navy, Poor-law, and voluntary institutions. It is hoped that the conclusions following on the facts properly collated will lead to positive and definitive action. May I ask through your columns for the support of all engaged in these services to forward to me any information verifiable by authority which is likely to be of service in the presentation of our case? It is hoped to publish it about October, so as to be ready for discussion at the Association meetings, in order to create the necessary momentum towards the agreed end. The time is opportune to understand the problem in view of the rapid encroachment of the public service campaign on the private interests. Incidentally, I would like to thank you for the articles on pharmaceutical titles, which are already filed as being germane to the issue, and likely to prove of immense service.

Yours faithfully,
16 Priory Gardens, London, N. 6. Herbert Skinner.

The Progressive Pharmacy Club.

Sir,—As I am receiving numerous inquiries respecting the Progressive Pharmacy Club, I shall esteem it a favour if you will permit me to explain that the promoters of this new venture have in mind two main objects. The first is the provision of a centre where the amenities of club life can be enjoyed by pharmacists who have felt the need of increased facilities for business, social, and political activities. The second is the improvement of existing conditions in the business and profession of pharmacy. With the latter object in view, it was felt that need existed for an entirely new and independent organisation, without entanglements or ties to any other body. It is desired to link up the best intellects in pharmacy, so that all may work together for the common good and without the hindrances which tend to check the activity of those who work on representative bodies. The immediate aims and purposes of the Club are, as and when circumstances may permit, to do all that is set forth in the programme which was printed last week (*C. & D.*, July 28, p. 34). Any pharmacist can join our organisation and receive copies of all its publications (the first of which deals with the subject of "Tariff Revision for 1918") on payment of an annual subscription of 5*s.* Those, however, who desire to make use of the Club premises and otherwise participate in the advantages of full membership must satisfy the Executive Committee—which includes as members Messrs. C. Breese, J. Hearle, F. G. Hines, A. R. Keith, J. Kirkpatrick, H. Skinner, E. F. Strickland, and H. Wolff—of their fitness and pay the higher subscriptions stated in your note: Town members, 21*s.*; country members, 12*s.* 6*d.* On receipt of a postcard I shall be pleased to send an "Application for Membership" form to any pharmacist who is interested. In conclusion, permit me to state that the promoters of the Club are not in antagonism to any other body, but desire to aid and supplement the work of all which are doing good for pharmacy. Yours faithfully,
Arundel Hotel, London, W.C. 2. John Humphrey.

Wholesalers and Retailers.

Sir,—It occurs to me that the suggestion of Mr. C. A. Hill at the British Pharmaceutical Conference (*C. & D.*, July 14, p. 43) could be put into operation at once; the Progressive Pharmacy Club has come into existence since Mr. Hill spoke, and there is a Drug Club in existence. Now, much of the hostility to the wholesale arises from what has always appeared to me a misconception. Here are two powers with energy and strength at their back. Cannot representatives of each meet and discuss what, after all, are only differences of outlook, and pave the way for a firmer understanding and co-operation?

Sigma. (91/27.)

Subscribers' Symposium.

For interchange of opinion among "C. & D." readers, and brief notes on business and practical topics, especially new ideas.

70 Great Russell Street.

A correspondent informs us that in a recent publication emanating from the Pharmaceutical Society of Great Britain there is a reference (in rather a substantial capacity) to "70 and 72 Great Russell Street," and he asks us, "Where is 70 Great Russell Street?" [The "London Directory" for 1917 is silent on this point. The numbering of Great Russell Street is somewhat erratic, but the Directory mentions neither 70 nor 72.—Ed.]

Extending Baby Week.

A fond mother had just come from the local Baby Show. The "Pram Parade" was just passing as she entered my shop. Her baby had received skilful attention at the Mothers' "Welfare." She was filled with enthusiasm in the Welfare Movement and Baby Week. "These 'ere Welfares does a lot o' good, Mr. Bourne. They tell me as they 'as 'em all over the country. They say as even London 'as one now."—*C. W. Kemsey-Bourne* (West Bromwich).

Sinclair's Paste.

E. W. (91/33), writing from a military hospital in France, informs us that Sinclair's paste (see *C. & D.*, July 21, p. 52) is the name given to the following surgical glue:

Gelatin	50
Water	50

Dissolve and add

Glycerin	2
Calcium chloride	1
Thymol (dissolved in spirit) ...	1

This preparation sets when cold, and is liquefied by heat when required for use. *Mr. G. W. Gibson*, St. Pancras South Infirmary, also replies to the same effect.

Legal Queries.

Most difficulties in trade law are explained in the legal section of "The Chemist and Druggist Diary," 1917, beginning on page 353.

Oxymel (88/35).—An assistant is employed daily at two different establishments owned by two different persons. He is away from work owing to illness. Is he entitled to be paid his salary by both employers during his absence? If so, for how long? [Subject to any special agreement to the contrary, the assistant is entitled to be paid his salary by both employers until the respective contracts of service have been terminated by notice or otherwise, in accordance with the terms of the engagements.]

E. F. (86/39) has rented the cellars under a warehouse and stores goods therein. Owing to the presence of holes in the floor, sawdust, salt, brine, and other substances fall from the warehouse on to "E. F.'s" goods and damage them, rendering a good deal of the stock unsaleable. Is the tenant of the warehouse under any liability to "E. F."? [In our opinion the tenant of the warehouse is responsible for the damage to the goods, and if sued would be ordered to pay the amount of "E. F.'s" loss.]

Doubtful (87/24).—(1) Shops cannot be kept open after 8 P.M. on weekdays (9 P.M. on Saturdays). This is according to the general Order made under the Defence of the Realm Act. The Order applies to chemists' shops like others, but does not prevent the sale of medicines or medical and surgical appliances so long as the shop is kept open and lighted only for such time as is necessary for serving the customer. (2) Pills made of raw opium come within the definition of the Cocaine and Opium Regulation (see *C. & D. Diary*, 1917, p. 355). (3) Registration of opium and cocaine (see Poison Schedule in *C. & D. Diary*, 1917, p. 355).

Miscellaneous Inquiries.

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

G. A. S. (60/40).—The Toilet-powder Basis is a good specimen of kieselguhr or kaolin; it is inorganic.

A. W. S. (48/34).—Testing Oxygen in the Air.—The processes employed consist in drawing a given volume of air through an alkaline solution of pyrogallol or sodium hydrosulphite. The pyrogallol solution consists of pyrogallol 20 grams dissolved in 500 c.c. of potassium-hydroxide solution (1: 2). Hydroquinone can be used in place of pyrogallol, and, according to Clowes, has some advantages. Hempel's or Orsat's gas-testing apparatus is employed for the purpose, the particulars being given in such works as Hempel's "Methods of Gas-analysis," Dennis's "Gas-analysis," or Lunge's "Technical Gas-analysis." The first two are published by Macmillan & Co.; the last by Gurney & Jackson.

P. D. P. (Jamaica) (30/19).—Deodorising Coconut Oil.—The methods employed for removing the odour of commercial coconut oil are (*a*) washing out the odoriferous bodies with alcohol, and (*b*) the volatilisation of these bodies by heat. The first method, known as Chevreul's, is conducted in an apparatus which keeps the oil melted and circulates the hot spirit; at the same time evaporation of the alcohol is prevented. Animal charcoal is also used for filtration-purposes to improve the colour and absorb odour. The heating process (*b*) consists in blowing steam at a pressure of from six to eight atmospheres through the melted oil for about two hours to drive off the volatile acids, and 0.25 per cent. of calcined magnesia is added to combine with the non-volatile acids, the magnesium soap being skimmed off the surface. There are, however, secret processes which are probably improvements on either of the methods described above. To stiffen the finished product in warm climates you will need to mix it with stearin.

W. G. (86/32).—Preserving Peas.—See *C. & D.*, July 21, p. 52.

E. J. L. (82/59).—Hair-restorer.—You can use a soluble lead salt, such as the acetate or nitrate, in the hair-wash in place of glycerin of lead. As a substitute for glycerin in the lotion try the effect of a small proportion of Turkey red oil.

J. B. (71/50).—Pyrogallol Tank-developer.—See *C. & D.*, May 6, 1916, p. 52, for proportion of ingredients and time for development.

C. F. P. (84/71).—Gilt Frames are cleaned by sponging lightly with warm soap-and-water or proof spirit. You should make inquiries locally regarding the charges for regilding, but you will probably find it advantageous to put off the regilding until after the war.

Robin Hood (86/30).—Animal Skins which have become hard and dry are best softened by applying sal ammoniac in concentrated solution to the flesh side.

D. T. (82/38).—Spiced Vinegar.—The following recipe is from "Pharmaceutical Formulas":

Jamaica ginger	ʒss.
Pimento	ʒss.
Curry powder	ʒj.
Long pepper	ʒiss.
Black pepper	ʒiss.
Mustard	ʒiv.
Mustard-seed	ʒiv.
Vinegar	Oiv.

Bruise the spices and simmer gently in the vinegar for ten minutes, cool, and strain.

J. E. C. (84/17).—We cannot undertake the examination of the veterinary remedy.

T. M. (85/14).—Purifying Acetylene.—Acagine is a mixture of bleaching-powder and 15 per cent. of lead chromate. Puratylene is a mixture of bleaching-powder with calcium chloride and calcium hydroxide. Both mixtures are efficient for purifying acetylene.

J. M. (91/89).—Cow's Death.—This is one of the many cases met with where the animal system is unable to withstand the sudden change from poor to rich pasture, especially when the animal has been confined indoors all winter and fed on dry and indigestible foods. In all probability the swelling or hoven was due to the big drink of water producing a chill and fermentation, which would ultimately cause over-tension and perhaps rupture of the muscular walls of the stomach, thus preventing the stomach returning to its normal condition and interfering with the peristaltic action. If a section of the walls of the stomach had been placed under a microscope, the extra tension and rupture of the striated muscular fibres would have been seen. The bowels are usually constipated, only a slight discharge of a dark, dirty, and offensive-smelling fluid escaping, which is practically the liquids contained in the canal gravitating, as water does, to the most dependent part. The nodules seen on the lungs had probably no influence on the cause of death. In most animals, especially milch cows, nodules and lesions are found somewhere on the viscera, but in the majority of cases these are harmless and of secondary consideration. The treatment given was satisfactory, but the sodium hyposulphite could have been given in much larger doses, such as ʒiv. Hypodermic injections of eserine and strychnine often give good results when drugs appear to have little effect.

H. J. (92/30).—Tooth-paste.—See *C. & D.*, January 22, 1916, p. 58. The formula there given is free of glycerin, which at present is not available for toilet-articles.

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," Aug. 15, 1867.

The Value of a Title.

Many excellent pharmaceutists have expressed a natural regret that trade legislation can only be effected by the relinquishment of some personal advantage. Without entering on the general question, which is too broad for discussion in a single article, we are compelled to remind our readers that a point of weakness has been entirely overlooked, and to this alone we desire, just at present, to direct attention. One grand incentive for desiring the establishment of pharmacy by law was the known secondary value of a certain title, which should have been a distinctive honour. It was seen with bitter regret that the position of the true pharmaceutist was and might be legally invaded by the unscrupulous, and that the public were slow to understand the peculiar merit of a "pharmaceutical chemist," for which they were scarcely to be blamed, since, under existing circumstances, many of unquestionable ability did not bear the title, while a crowd of utterly unqualified persons practised pharmacy under a mere variation of the name.

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Isinglass, Brazil, fine cut, 7 lbs. @ 3/9 lb.; 1 lb. @ 4/- lb.; Russian finest, 7 lbs. @ 10/6 lb.; 1 lb. @ 11/- lb.; Ribbon or Sheet, 7 lbs. @ 2/9 lb.; 1 lb. @ 3/- lb.

Kamala, 7 lbs. @ lb.; sifted, per lb.

Lapis Pumicis, fine powder, 2 cwt. @ 12/6 cwt.; 7 lbs. @ 2d. lb.; lump, 2 cwt. @ 18/- cwt.; 7 lbs. @ 3d. lb.
Licorice Juice, Sticks, 1 cwt. @ cwt.; 28 lbs. @ lb.; 7 lbs. @ lb.
*Lin. Aconiti Meth., 5 lbs. @ 2/3 lb.; 1 lb. @ 2/6 lb.
* „ Bellad. Meth., 5 lbs. @ 8/8 lb.; 1 lb. @ 9/- lb.
„ Camph. P.B., 9 lbs. @ 1/9½ lb.
„ Sapo Meth., 9 lbs. @ 1/4 lb.
„ Tereb. Acet., B.P., 5 lbs. @ 1/3 lb.
Linseed c. Oil, Crushed, 3 cwt. @ 44/- cwt.; 1 cwt. @ 46/- cwt.
*Liq. Ammonii Acetatis Conc. 1–7, 6 lbs. @ 1/5 lb.; 1 lb. @ 1/9 lb.
* „ Ammon. Aromat., 6 lbs. @ 11d. lb.
* „ Antim. Chlor. Pure, 8 lbs. @ 10d. lb.
* „ Arsenicalis, B.P., 7 lbs. @ 5d. lb.; 1 lb. @ 8d. lb.
* „ Arsenii Hydrochlor., P.B., 7 lbs. @ 4d. lb.; 1 lb. @ 7d. lb.
* „ Bismuth, P.B., 6 lbs. @ 1/7 lb.
* „ Copaiba Buchu et Cubeb, 5 lbs. @ 3/6 lb.; 1 lb. @ 3/9 lb.
* „ Easton, p.s. 1–3, B.P., 1 lb. @ 5/6 lb.
* „ Ferri Dialysatus, 6 lbs. @ 1/7 lb.
* „ Ferri Iod. p.s., 1–7, 1 lb. @ 7/3 lb.
* „ Ferri Perchlor. Fort., P.B., 7 lbs. @ 6d. lb.
* „ Ferri Phosph. Co. p.s., 1–7, 7 lbs. @ 1/7 lb.
* „ Hamamelidis, B.P., 6 lbs. @ 1/4 lb.
* „ Hypophosph. Co., p.s., B.P.C., 1 lb. @ 4/4 lb.
* „ Iodi Fort, B.P., 5 lbs. @ 7/4 lb.
* „ Morphinæ Acet. or Hydrochlor., P.B., 6 lbs. @ 4/3 lb.
* „ Opii Sed., 5 lbs. @ 7/- lb.
* „ Plumbi Subacet., P.B., 7 lbs. @ 7d. lb.
* „ Pruni V'rg. p.s. 1–7, 5 lbs. @ 2/10 lb.
* „ Rhœados pro Syr., 1 to 7, 5 lbs. @ 2/9 lb.
* „ Rhei, p.s., 1–7, 6 lbs. @ 3/2 lb.
* „ Santali Co., 1 lb. @ 5/6 lb.
* „ Sennæ Dulc. 6 lbs. @ 1/9 lb.
* „ Sennæ pro Syr. 1–7, 6 lbs. @ 3/5 lb.
* „ Strychninæ Hyd. P.B., 6 lbs. @ 2/2 lb.
* „ Tolut. pro Syr. 1–7, 6 lbs. @ 2/- lb.
* „ Trinitrini, B.P., 1 lb. @ 8/3 lb.
Lithia Carb. P.B., 28 lbs. @ 6/- lb.; 7 lbs. @ 6/3 lb.; 1 lb. @ 6/6 lb.
„ Citras, B.P., 28 lbs. @ 6/4 lb.; 7 lbs. @ 6/7 lb.; pulv., 3d. lb. extra.
Lycopodium, 7 lbs. @ 7/9 lb.

Mag. Calc. Levis, 1 lb. @ 2/10 lb.
Mag. Calc. Pond., 7 lbs. @ 3/6 lb.; 1 lb. @ 3/10 lb.
Mag. Carb. Pond., 7 lbs. @ 11d. lb.
Mag. Carb. Levis., 1 cwt. @ ; 7 lbs. @ 1/3 lb.
Mag. Cit. Gran., 28 lbs. @ lb.; 6 lbs. @ 2/1 lb.
Mag. Sulph., fine druggists', B.P., 1 cwt. @ 30/6; 28 lbs. @ 4d. lb.
Manna, Flake, 14 lbs. @ 6/- lb.; 7 lbs. @ 6/2 lb.; 1 lb. @ 6/9 lb.

Menthol, dry white cryst., 60 lbs. @ 11/3 lb; 5 lbs. @ 12/- lb.
*Mist. Sennæ Comp., B.P., 20 lbs. @ 8d. lb.; 6 lbs. @ 9d. lb.
Morphinæ Acet. Hydrochlor. or Sulph., Pulv. B.P., 25 oz. @ 16/- oz.; 16 oz. @ 16/6 oz.; 8 oz. @ 16/9 oz.; 1 oz. @ 17/6 oz.; Pur. Præcip. Bimeconate or Tart., 1 oz. @ 21/6 oz.
Morphinæ Diacetyl., 4 oz. @ 30/- oz.; 1 oz. @ 30/6 oz.; Hydrochlor., 6d. per oz. less.
Myrrh, Gum, English Ground, 28 lbs. @ 2/2 lb.; 7 lbs. @ 2/6 lb.

Naphthalene, Candles, 7 lbs. @ 9d. lb.
Nux Areca, 1 cwt. @ 55/- cwt.; 7 lbs. @ 7d. lb.; powder, English ground, @ 108/- cwt.; 7 lbs. @ 1/2 lb.

Ol. Amygdal. Ang., B.P., 9 lbs. @ 3/0½ lb.
Ol. Anethi Ang. B.P., 1 lb. @ 30/- lb.
Ol. Anisi, E.I., 66 lbs. @ 3/8 lb.; 16½ lbs. @ 4/- lb.; 4½ lbs. @ 4/5 lb.; 1 lb. @ 4/8 lb.
Ol. Aurant., 12 lbs. @ 11/6 lb.; 1 lb. @ 12/- lb.; not guaranteed absolutely pure.
Oil of Bays, genuine W.I., 1 lb. @ 14/6 lb.
Ol. Cajuput., B.P., 21½ oz. bots. @ 4/9 lb.
Ol. Camphor. Essent., White, 40 lbs. @ 1/- lb.; Brown, 40 lbs. @ 120/- cwt.
Ol. Caryopb. Ang., B.P., 9 lbs. @ 10/2 lb.; 4½ lbs. @ 10/6 lb.
Ol. Cassiæ, 16 lbs. @ 4/9 lb.; 6 lbs. @ 5/- lb.
Ol. Cinnam., 1 lb. @ 37/6 lb.; 1 oz. @ 2/8 oz.
Ol. Citronellæ, 9 lbs. @ 2/3 lb.
Ol. Coco Nucis, finest White, 80 lbs. @ 79/6 cwt.; 40 lbs. @ 81/6 cwt.
Ol. Eucalypt., P.B., 1 cwt. @ 2/6 lb.; 28 lbs. @ 2/7 lb.; 9 lbs. @ 2/8 lb.
Ol. Geranii Gall. Opt., 1 lb. @ 28/- lb.; 8 1-oz. bots. @ 2/3 oz.; 1 oz. @ 2/6 oz.; Turk, 1 lb. @ 15/- lb.; 4 ozs. @ 1c/6 lb.
Ol. Gynocardiæ, 5 lbs. @ 4/- lb.; 1 lb. @ 4/3 lb.
Ol. Juniperi Ligne Exot., 9 lbs. @ 9/- lb.
Ol. Lavand. ab Flor., 5 lbs. @ 17/- lb.; 1 lb. @ 18/- lb.
Ol. Menth. Pip. English, 5 lbs. @ 56/- lb.; 1 lb. @ 52/6 lb.; Hotchkiss original bots., 21 oz. each @ 16/9 lb.; 6 bots. @ 16/6 lb.; 18 bots. @ 16/- lb.; American, 20 lbs. @ 14/- lb.; 4½ lbs. @ 14/6 lb.; 1 lb. @ 15/- lb.; Japanese, 60 lbs. @ 3/10 lb.; 5 lbs. @ 4/6 lb.
Ol. Morrhuæ, 1916, finest non-freezing, 2-gall. tins @ 20/- per gall.
Ol. Myrbane, 9 lbs. @ 3/- lb.
Ol. Myristicæ, 7 lbs. @ 7/6 lb.; 1 lb. @ 8/- lb.
Ol. Nucis Pallid., 2 gall. tins @ 9/3 gall.
Ol. Olivæ, P.B., good yellow, guaranteed pure, 45 gall. barrels @ 13/6 gall.; 2 gall. tins @ 14/6 gall.
Ol. Origani Rub., Coml., 28 lbs. @ 2/3 lb.; 9 lbs. @ 2/6 lb.
Ol. Peach Kernel (so-called), 1 cwt. @ 1/5½ lb.; 56 lbs. @ 1/7 lb.; 9 lbs. @ 1/9 lb.
Ol. Pulegii B.P., 5 lbs. @ 6/6 lb.; 1 lb. @ 6/10
Ol. Ricini Alb. Opt. Medicinal, 40 lbs. @ 110/- cwt.; 9 lbs. @ 1/1 lb.; for export, 1 cwt. drums recommended.
Ol. Rosmarini, Coml., 28 lbs. @ 2/3 lb.; 9 lbs. @ 2/6 lb.; B.P., 9 lbs. @ 3/- lb.; 1 lb. @ 3/3 lb.
Ol. Santal. Flav. Ang. B.P., 5 lbs. @ 53/6 lb.; 1 lb. @ 54/6 lb.
Ol. Sassafras, genuine, 28 lbs. @ 4/3 lb.; 1 lb. @ 4/10 lb.
Ol. Theobromæ, B.P., 8-oz. tabs., 28 lbs. @ 2/1 lb.; 7 lbs. @ 2/2 lb.
Ol. Wintergreen, Artificial, 5 lbs. @ 6/6 lb.; 1 lb. @ 7/- lb.
Opium, B.P., 14 lbs. @ 47/- lb.; 3 lbs. @ 48/- lb.; 1 lb. @ 48/6 lb.; powder, 6d. lb. extra.

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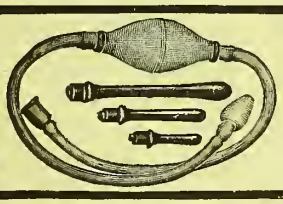

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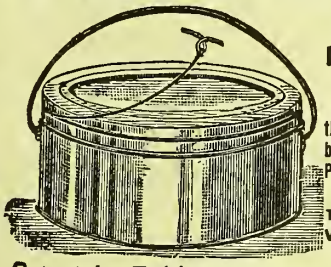

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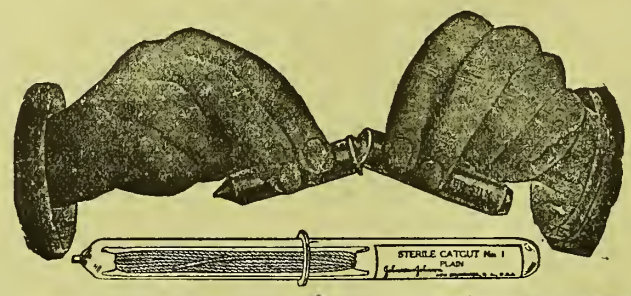

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WHOLESALE ONLY. Write for Samples and Prices.

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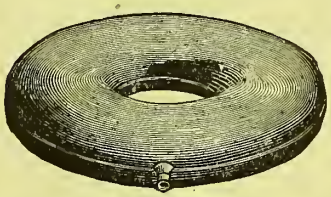

Fig. 1194.

BRITISH MAKE.

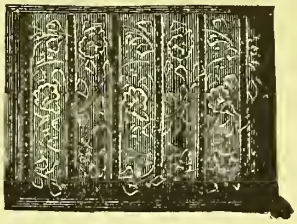

Fig. 1354.

Fig. 1194.—The **"EMPIRE,"** red India-rubber Air Cushion—

Diameter	14	15	16	17	18	19	20 in.
Each ...	**6 6**	**7 0**	**8 0**	**8 6**	**10 0**	**11 6**	**12 6**

Fig. 1354.—Air Cushion, sateen covered, reeded ... ... Sizes 14×10 | 15×12 | 18×14 in.
Each **4 3** | **4 9** | **6 0**

Special Line.—Khaki-covered Pillow, 17×12 in., in khaki case, with clasp ... ...each **4 6**
" " " " " super quality ... ... " **6 0**

5% discount allowed for prompt cash off above prices.

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A REMEDY OF 60 YEARS' STANDING.

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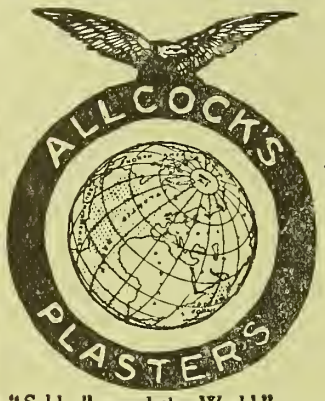
Allcock's Corn and Bunion Plasters
Brandreth's Pills
The Three Reliables.



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"Sold all round the World."

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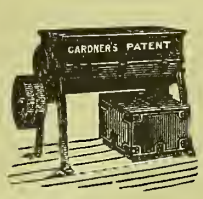

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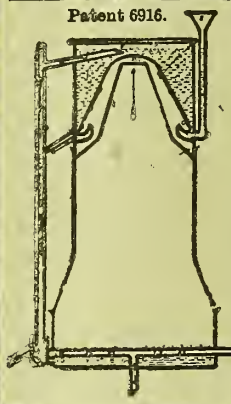

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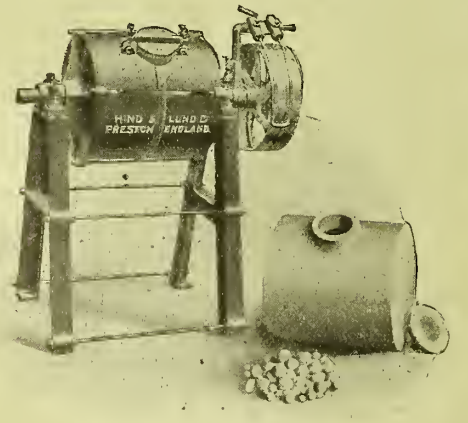

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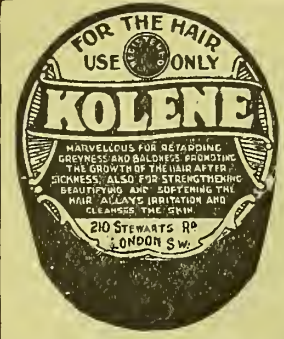

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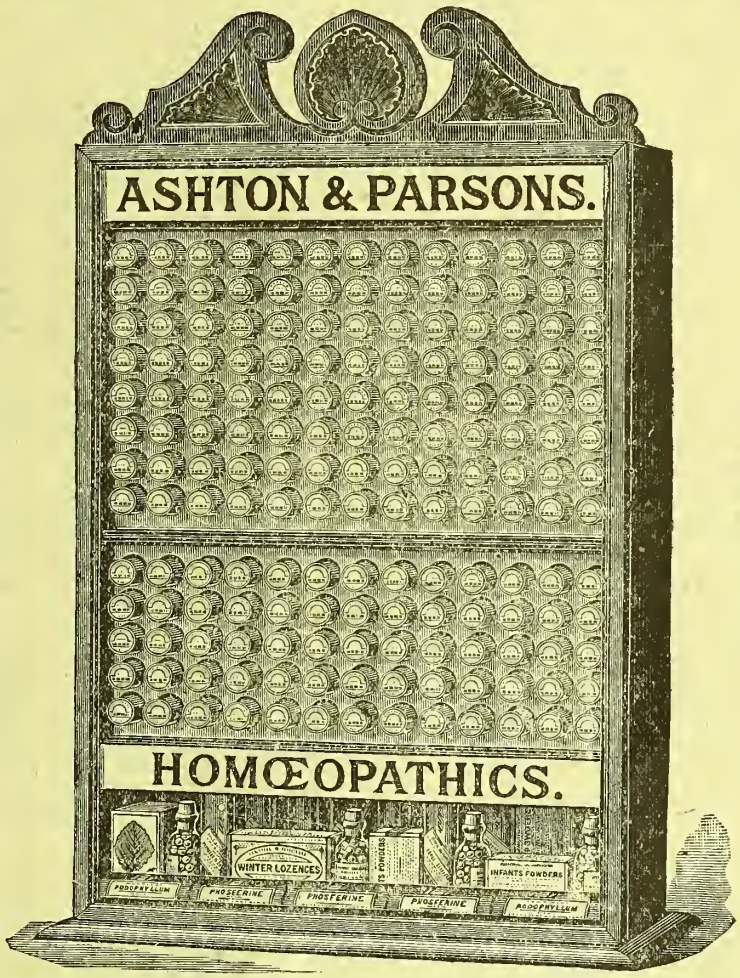

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THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C. SATURDAY, AUGUST 4, 1917

TO ADVERTISERS IN THIS SUPPLEMENT.

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Advertisements for the current issue cannot be received after 4 p.m. on Thursday in each week. If it is necessary to telephone or telegraph an urgent announcement this may be done

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at the same time and the fact made clear that the money order is to be delivered at 42 CANNON STREET, LONDON, E.C. Advertisers will assist greatly in the preparation and quick despatch of the Supplement by making careful note of these rules. **Telephone: No. 3617 Central (3 lines). Telegraphic Address: "Chemicus, Cannon, London."** (Three words counted as two.)

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Telephone Number: City 2283

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

1.—HYDE PARK.—For immediate disposal, high-class Dispensing and Retail Business; returns about £1,200; *gross profit between* £650 *and* £700; the business is known to us, and we can recommend it; valuation terms.

2.—BANKS OF THE THAMES.—Retail and Dispensing Business; very good connection with local medical men; returns last year £1,870; *net profit* £461 (proof given); price £850; stock and fixtures recently valued at £650.

3.—RICHMOND, SURREY (near).—Very old-established Business; held by vendor many years, now retiring; returns about £870; profits above the average; first reasonable offer will be accepted.

4.—LONDON, N.E.—Ready-money Business; established many years; held by Vendor upwards of 25, now retiring; returns about £650; *net profit* £250; comfortable residence; terms, valuation of stock and fixtures; part payment entertained.

5.—MIDDLESEX.—Retail and Dispensing Business, situate in growing neighbourhood; returns exceed £500 yearly; corner shop; situate in close proximity to railway station; price about £300.

6.—LONDON (Northern Suburb).—Situate in main shopping thoroughfare, well-established Business; increasing income; returns between £1,000 and £1,100; profits exceed the usual rate of middle-class business; well-fitted shop and comfortable residence, with garden; price £600.

7.—LONDON, S.W.—Medium-class Family trade; well established; turnover averages £925; *gross profit* £355; comfortable residence; rent £45; sub-let £13; no near opposition; price £400, or valuation of stock and fixtures.

8.—MIDDLESEX (Distant Suburb).—Good-class Business; capital position; returns about £2,000; intending investors with £1,100 at command will find this a sound concern; full investigation invited.

9.—SOUTH COAST.—Unopposed Mixed Country Retail Business with own Proprietaries; steadily increasing returns; now between £1,300 and £1,400; rent £45 for double-fronted shop and good seven-roomed house and garden; terms, lease and goodwill £120; stock and fixtures at valuation.

10.—SUSSEX (Health Resort).—Retail and Dispensing Business situate in shopping thoroughfare in chief business centre; returns between £1,400 and £1,500; *gross profit last year* £570; well-appointed shop and comfortable residence; price about £1,000.

11.—WESTERN COUNTY.—Old-established Business, Retail, Dispensing, and Agricultural; situate in best position in good market town; returns about £1,700; about £1,000 required, for which full value is offered.

12.—HOME COUNTY (Health Resort).—Modern Pharmacy, situate in principal street; returns exceed £1,000; full investigation permitted; the shop is nicely fitted and fully stocked; convenient residence; terms, valuation of stock and fixtures and £100 premium.

13.—SOUTH WEST OF ENGLAND (Health Resort).—Good-class Retail, with excellent sale for own proprietaries which have a local and postal sale; returns average about £700, and *net profit* £275; well-appointed shop and residence; held on lease; terms £50, and valuation of stock and fixtures.

14.—BOURNEMOUTH.—Retail and Dispensing Business; held by vendor many years; returns £2,000 yearly at fair prices; terms, goodwill, £100; stock and fixtures by valuation.

VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasize the necessity of a Periodical Statement of Account, by which means alone **Profit, the value of Business, &c.,** can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of **confusion and loss.**

Messrs. O. & Co. are prepared to undertake these essential duties, and will make **Special Terms** for such services.

ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.

PARSON C. BAKER

(Pharmaceutical Chemist),

Trade Valuer & Transfer Agent.

Recommended by The British Drug Houses, Ltd.; Messrs. Megg son & Co.; Barclay & Son, Ltd,

Valuer to the Association of Manufacturing Chemists.

1 Mountfield Road, CHURCH END, FINCHLEY, N.

Tel. No.: Finchley 812.

BATTAM & HEYWOOD

(Estd. 1837)

CHEMISTS' VALUERS, TRANSFER AGENTS, AND EXPERT STOCKTAKERS.

Balance Sheets Prepared. Books Audited.

3 DAVIES STREET, BERKELEY SQUARE, W.

Telephone: Gerrard 2169.

BERDOE & FISH

VALUERS & TRANSFER AGENTS,

95 Jewry Street, Fenchurch Street, City.

Telephone: 1809 Central.

NO CHARGE TO PURCHASERS.

1.—BIRMINGHAM.—Very profitable Cash Retail, with several good Proprietaries and some Optical; main road position; low rent, on lease; returns £900; net profit last year £320, besides £30 from Agency attached to business; books properly kept; smart well-fitted Pharmacy, heavily stocked; urgent family reasons necessitate a quick sale; price only £450; much under valuation; strongly recommended.

2.—WEST END.—High-class Dispensing Business for private disposal; occupying a very prominent position, and with scope for considerable increase; returns average £2,000; excellent profits; books properly kept; price £1,100; references required; splendid chance for two smart men.

3.—KING'S CROSS (close to Station).—Death vacancy; for quick sale; profitable Cash Retail; returns £18 to £20 weekly, under management; plenty of scope; low rent; price simply valuation of stock and fixtures, or first reasonable offer accepted.

STOCKTAKINGS.

Appointments for stocktakings and valuations should be made early. Full particulars and terms sent on application. See page 90 of the *C. & D. Diary*, 1917.

BUSINESSES FOR DISPOSAL.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

LONDON (Suburb).—Drug Stores; nice shop and house, side entrance, garden; returns £650, increasing; rent £52, rates £14, sublet £16; £200, or valuation stock and fixtures; suitable for qualified or unqualified; no photo, N.H.I. or Optics; splendid opportunity for introducing special proprietaries; ill-health cause of sale. Apply 39/7, Office of this Paper.

FOR immediate Disposal, Shop and Branch, South Wales Colliery district; owner retiring; business chiefly Prescribing and Counter trade; turnover over £1,200; profits above average; low price for quick sale for one or both businesses. Apply 33/6, Office of this Paper.

FOR immediate Disposal through ill-health, an old-established Agricultural and Family Business in a good market town in Lincolnshire; new front and modern fittings; returns about £1,500, leaving excellent profit. Apply "Business," c/o Lofthouse & Saltmer, Ltd., Wholesale Druggists, Hull.

FOR Disposal, Business prominently situated in main street of popular town within 30 miles of London; returns £2,000, with scope for increase; established 20 years; spacious shop and house on long lease; price, valuation of stock and fixtures only, about £1,200; fullest investigation and trial invited. Apply "Kent" (38/27), Office of this Paper.

FOR Sale, a good old-fashioned Business, established many years; farming district, Midlands; splendidly fitted shop, large house and garden; sacrifice on account of health; rent only £14 net; returns gradually increasing; nice healthy town; formerly done over £1,000 per annum. Apply "Urgent," c/o Mr. J. Austin, Woodbine Cottage, Haughton, near Stafford.

GOOD little Business, industrial neighbourhood London, north of river; well situated for Insurance work; same hands 25 years. Apply 36/36, Office of this Paper.

SALES BY AUCTION.

5 DUDLEY STREET, WOLVERHAMPTON.

TUESDAY, 14th AUGUST, 1917.

BOSWELL & TOMLINS, F.A.I., are instructed by Mr. W. B. Cooley, F.C.S., to Sell by Auction, without reserve, as above, the whole of the STOCK-IN-TRADE of a CHEMIST and DRUGGIST, including a varied assortment of high-class and costly Drugs, Lozenges, Tinctures, Ointments, Powders, Pills, Salines, etc.; Agricultural Chemicals and Veterinary Medicines; a large stock of used and unused finest YORK GLASS BOTTLES, stoppered, and many with gold and recess labels; Pindar's Rotary and other Pill Machines, Pill Rounders, Pallet Knives, Evaporating Dishes, Avery's Counter Scales, Dispensing Scales with silver pans, Pewter and other measures, Ointment Pans, Drug Mills, Filters, Copper Boilers and Bowls, Pill Boxes, Corks, etc., TWO RARE ANTIQUE GUNMETAL MORTARS dated 1690 and 1705, also the excellent Shop Fixtures and Fittings, including Spanish Mahogany Counters, Plate-glass Show Cases and Shelving, 16 VALUABLE OLD PEAR-SHAPED TINCTURE BOTTLES, etc., etc., together with the valuable proprietary RECIPES AND PRESCRIPTIONS in the exclusive ownership and possession of Mr. Cooley.

SALE AT 11 A.M. PROMPT.

Catalogues may be obtained from the Auctioneers' Offices, 88 & 89 Darlington Street, Wolverhampton.

Telephone 1116 (two lines).

FOR SALE.

BEST Offer, 6 1-cwt. bags Commercial Hyposulphite of Soda; small crystals; whole or part; carriage paid; sample upon request. Lee, Chemist, Middlesbrough.

CHECK-PRINTING National Cash Register (second-hand) for Sale, with all latest improvements; adds total and prints every sale. Write to F. Smith, 50 Thackeray Buildings, Herbrand Street, W.C. 1.

FOR Sale, Chemists' Stock and Fixtures in excellent condition; everything in apple-pie order; cheap for quick sale; can be viewed at any time. Address Pharmacist, 15 Fairfield Road, Crouch End, N. 8.

TABLET Machine for Sale; quite new; Stokes make Philadelphia, for ½-inch Tablets; price £8. Apply 36/6, Office of this Paper.

4 OZ. B.P. Phenazone Tablets, 12*s.*; 5 lb. Cetaceum, 4*s.*; 2 doz. Celluloid Eye Shades, 3*s.* 6*d.*; 8 oz. Bismuth Subgall., 5*s.*; 6 oz. Hyd. Rub., 5*s.*; 8 oz. Pulv. Ipecac., 5*s.*; 2 oz. Ext. Opii Sicc., 9*s.*; 13½ oz. Menthol, 9*s.*; 4 oz. Vanilline, 9*s.*; 10 lb. Arrowroot Opt., 16*s.*; 16 lb. Paraffin Wax, 10*s.* 6*d.*; 6 lb. Best Red Sealing Wax, 11*s.*; 6 oz. Sodii Iodide, 6*s.*; 6 × 2 gr. Aether Pur. 720, 6*s.* 6*d.*; 2 gr. Hygienic Teats, thick, 20*s.*; 6 doz. Length Douche Tube, 6*s.* Fresh Goods, 20 lb. Stearine, 32*s.*; 6 doz. Valves, 14*s.* 6*d.*; 8 oz. Salol, 5*s.* 6*d.* "B.," Chemist, 97 Borough High Street, S.E. 1.

BUSINESSES WANTED.

ADVERTISER wishes to purchase Patent Medicine Business; would entertain partnership; price must be based on visible assets; fancy figure for goodwill not entertained; advertiser possesses necessary capital and large advertising experience; would prefer old-established business that has been neglected. State capital required, Andrew Grant, Cathkin, Leeside Crescent, Golders Green, London.

WANTED to Purchase for Cash a genuine Business showing a net profit of about £200 per annum or upwards, with house accommodation preferred. State fullest particulars and class of trade done, in strict confidence, to "Radix" (38/31), Office of this Paper.

TENDERS.

THE COMMISSIONERS of H.M. CUSTOMS and EXCISE invite TENDERS for the PURCHASE of the following GOODS, forfeited under the Customs Acts:—

A large and varied assortment of

DRUGS,
PATENT MEDICINES,
ESSENCES, and miscellaneous
PHARMACEUTICAL PRODUCTS.

The goods may be inspected between 10 a.m. and 4 p.m. on the 8th and 9th August at the Inns of Court Hotel, High Holborn, W.C. 1, where Forms of Tender may be obtained. Forms of Tender may also be obtained at Room 7, Custom House, Lower Thames Street, E.C. 3. Delivery of the goods must be taken where lying.

Buyers will be required to enter into a Bond in the full value of the goods purchased, that the goods will not be exported from the United Kingdom during the continuance of the war except to British Overseas Dominions or Allied Territory.

Tenders on the approved form, addressed "The Secretary, Room 84, Custom House, E.C. 3," and marked "Tender No. 37," must be received by noon on the 13th August.

The Commissioners do not bind themselves to accept the highest or any Tender.

SITUATIONS OPEN.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

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RETAIL.

BIRMINGHAM (Near).—Young lady Assistant required for progressive Chemists' business; one who has had previous experience with a Chemist preferred; state salary required and when at liberty. "Staff" (39/801), Office of this Paper.

BRIGHTON.—Outdoors; competent Assistant, mainly for Dispensing; hours 9 to 7.30, Wednesday 9 to 9, Thursday 9 to 1, alternate Sundays duty 9 to 2 and from 6 to 8. Apply, with full particulars, stating age, height, salary required, and enclose photo if possible, J. Colby & Co., 101 Western Road, Brighton.

BRISTOL.—Qualified Manager for Branch Business in Bristol; permanency for competent man; hours 8.30 to 8, Saturdays to 9, closed Wednesdays 1; no Sunday duty (outdoors). State age, salary, references, etc., to Managing Director, Hodders & Co., Ltd., 5 Nelson Street, Bristol.

BRISTOL.—Qualified Manager wanted immediately; must be ineligible; hours 9 to 8 p.m.; Wednesdays, 1 p.m.; Saturdays, 9 to 9 p.m.; no Sunday duty; light Cash Retail; to a capable and energetic person every consideration given, ensuring a good comfortable berth. Please state when disengaged, enclose photo if possible, age, and salary required, to 3875, Office of this Paper.

BUXTON.—Assistant, Improver, or Lady (with some experience); comfortable indoor berth. Apply, with particulars, age, photo, references, salary, experience, to A. Thresh, Pharmacist, Buxton.

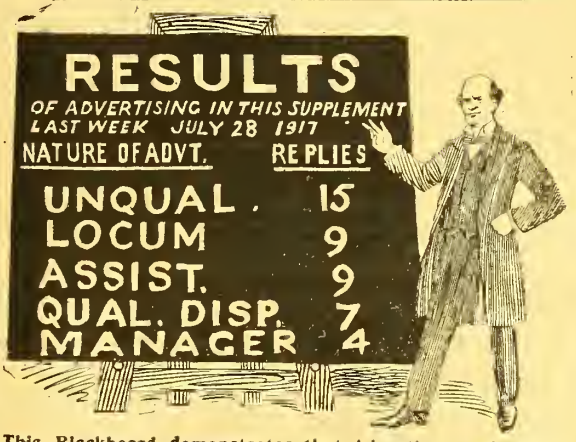
DORKING.—Wanted, lady Assistant or young man if rejected; good Dispensing experience essential; high-class business; easy hours; state salary required (outdoors) and give a recent reference. Also immediately, a lady as Locum for a fortnight, for Branch. F. Strawson, 12 Rose Hill, Dorking, Surrey.

DUNSTABLE.—Lady Assistant required for Dispensing and Light Retail; no Sunday or after business duty; easy, comfortable berth; inexpensive lodgings near; pleasant town. State age, experience, salary required (outdoors), reference, and when disengaged, J. H. Herington, Pharmacist, Dunstable, Beds.

GLAMORGAN.—Manager; qualified; Light Retail, wi[illegible] Dispensing; half-holiday Thursday; salary £4[illegible] per week; abstainer preferred. Full particulars, first letter [illegible] to "Codex" (38/1), Office of this Paper.

HALIFAX.—Wanted, a capable, unqu[illegible]lified Assistant, lady or gentleman (latter must be inel[illegible]gible for military service); short hours; no Sunday or holiday [illegible] duty; a good permanent berth and liberal salary to the right [illegible]erson. Apply, stating age, height, and salary required, with rec[illegible]nt references, to Taylor's (Northern), Ltd., 4 Crown Street, Hali[illegible]fax.

KENSINGTON.—Wanted at once, Assistant (lady or gentleman) for [illegible]good-class Retail and Dispensing Business; Minor qualification [illegible]not necessary. Apply on or after August 7, P. Barrs, 10[illegible] Church Street, Kensington, W. 8.



This Blackboard demonstrates that Advertisers using these columns get a ready response to their announcements. The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of Advertisers who use a number or nom de plume.

TO SAVE TROUBLE.

MANY correspondents answering advertisements in this Supplement enclose remittances to cover the cost of forwarding their letters to advertisers who prefer to be addressed c/o this Office. The Publisher desires to make it clear that this is quite superfluous, and perhaps this reminder will obviate the necessity of the frequent return by him of such remittances.

ANSWER IN TERMS OF THE ADVERTISEMENT AND

REMEMBER you are one of possibly hundreds applying for the same position. Put your case before the advertiser so that he may be able to form a MENTAL PICTURE of your suitableness.

BE BRIEF BUT CLEAR.—Millions of applications are consigned to the waste-paper basket UNCONSIDERED, because the reader cannot form this picture from the inadequacy of the materials set before him.

RETURNING PHOTOS, Etc.

Advertisers in this section who receive portraits and copies of testimonials from applicants with a stamped addressed envelope for reply are reminded that the undue retention of these often means a hardship to the sender. All personal documents should be returned as promptly as possible after perusal.

LEICESTER.—Wanted, an Assistant (lady or gentleman), for Dispensing, Counter, etc.; splendid opportunity to acquire a unique experience; outdoors. State salary expected and fullest particulars, Goodess, Pharmacist, Market Street, Leicester.

LIVERPOOL.—Conscientious, all-round, experienced, permanent-seeking Assistant required; able to take complete charge at times; no "hard-luck" stories; wages 50s. per week and commission, would average £3; if married and proves suitable, would be able to live on premises in time. Apply in writing, with copies of references, to Harold Lomax, M.P.S., The Jubilee Pharmacy, 43 Edge Lane, Liverpool.

LIVERPOOL (Suburb).—Assistant (lady or gentleman); outdoors; good-class Dispensing business; must be experienced; alternate Sunday duty; half-day weekly. Usual particulars (with photo if possible) to M. & R., 127a St. John's Road, Waterloo, Liverpool.

LIVERPOOL.—Assistant; qualified; middle-aged or elderly; comfortable post; hours 9.30 to 8 P.M.; half-day weekly; alternate Sunday 6 to 8 P.M. Apply, stating salary (photo if possible), 40/2, Office of this Paper.

LONDON.—Locum wanted for three weeks, commencing August 20 or 27; sole charge; work light chiefly supervision; suit elderly gentleman: good fee to suitable man. Apply "Manager" (38/22), Office of this Paper.

LONDON (CITY).—Wanted at once, lady with good Dispensing and Counter experience; state particulars and salary required. Apply "Sherwood" (40/12), Office of this Paper.

LONDON, N.W.—Lady Assistant required, with some Dispensing experience and good handwriting. Apply W. H. Bell & Co., 96 Albany Street, Regent's Park, N.W.

LONDON, N.W.—Qualified Assistant wanted for Dispensing business (man or woman); furnished house if desired. P. Davidson, Ph. Chemist, 342 High Road, Brondesbury, N.W. 6.

LUDLOW.—Wanted, a capable unqualified Assistant; over military age or rejected; short hours; no Sunday; half-day weekly; junior kept; salary 50s.; give usual particulars and references. Woodhouse & Son, Chemists, Ludlow, Salop.

MANCHESTER.—Young lady, with some Counter and General experience, required for Chemist's establishment situate in working-class district; comfortable; permanency. "Manchester" (39/802), Office of this Paper.

MANCHESTER.—A young lady required who has had experience in a Retail business and who is a capable Dispenser; no Insurance or Sunday work. Particulars of age and experience to 92/65, Office of this Paper.

MANCHESTER.—Assistant wanted; one with experience of manufacturing preferred; must be exempt from service and bear first-class references. M. Matz, M.P.S., 5 Bury New Road, Manchester.

MANCHESTER DISTRICT.—Qualified Manager required, also Junior Assistant (both outdoors). Full particulars of previous experience to T. & W. Woodruff, Chemists, Cheadle, Cheshire.

RHYL.—Wanted at once, experienced Assistant; unqualified (outdoors); easy hours. State age, salary required, and full particulars to Ashfield, High Street.

SOUTHPORT.—Manager for good-class Dispensing Business; knowledge of Photography desirable, but not essential. Full particulars and photo to J. R. Cave, Ltd., 52 Nevill Street, Southport.

STAMFORD.—Lady Assistant, with some experience, for high-class country business. State age, experience, salary, and enclose photo, Dickinson, Chemist, Stamford.

WOLVERHAMPTON.—Unqualified Assistant for Dispensing duties chiefly, in good-class Store business; applicants must be men ineligible for military service or women; easy hours; no Sunday, night, or Bank Holiday duty. State particulars of experience, age, and salary required to Martyn's Stores, Ltd., 26 Queen Street, Wolverhampton.

YEOVIL.—Unqualified Assistant at once for Stock, Windows, and Counter occasionally; good-class business; short hours; no duty. Newton & Co.

A QUALIFIED Manager for a high-class business in Bradford. Please enclose photograph if possible. 91/35, Office of this Paper.

A WEST-END FIRM OF CHEMISTS AND PERFUMERS desire to get into touch with an up-to-date man to take full charge; salary £500 per annum. Apply 92/51, Office of this Paper.

A SMART young lady for the Front Counter, with some knowledge of the business, but not necessarily qualified; Dispensing business; short hours. Full particulars of age, experience, salary required (enclose photo), T. O. Barlow, 2 Palmerston Road, Southsea.

ASSISTANCE required (qualified preferred), lady or gentleman; N.H.I. Dispensing and Counter; temporary, permanent, or with view to early succession. "Pharmacist," 281 Hackney Road, E. 2.

ASSISTANT, unqualified (outdoors), elderly, or ineligible for military service, for middle-class Pharmacy; energetic and obliging; used to brisk Counter trade; no N.H.I. Dispensing; no Sunday duty; easy hours; half-holiday. Please state age, salary, references, Mousley, Chemist, Redditch.

ASSISTANT (either sex), with Dispensing and Counter experience and quick; short hours; no Sunday work. State salary asked (outdoors) and all particulars, Morrison, Tring.

ASSISTANT wanted for good-class Dispensing and Agricultural business; qualified and ineligible, or over military age; indoor or outdoor. Apply Cox & Robinson, Stony Stratford.

ASSISTANT to live over shop; easy hours; comfortable berth; married preferred. Walwin, Photographic Chemist, Southgate, Gloucester

ASSISTANT lady wanted at once; also fully-qualified Assistant for evening work and to relieve duties. Please give full particulars of experience, salary required, etc., to Frank A. Rogers, 327 Oxford Street, W. 1.

BRANCH Manager (qualified) wanted immediately; must be over military age or ineligible; knowledge of Photography essential; good salary to good man. Apply 94/67, Office of this Paper.

CAPABLE Assistant required (either sex) for quick Cash trade. Apply W. F. Goodwin, Plymouth Co-operative Drug Co., 20 Cornwall Street, Plymouth.

DENTAL Operator-Mechanic wanted at once; good salary to competent man. Bidie, Chemist, Banbury.

DISPENSER and Counterman wanted, unqualified, with some Photographic experience; must be ineligible or over military age. Apply, stating salary required, and enclosing, if possible, recent photograph, to "Progress" (94/670), Office of this Paper.

DISPENSER required by Doctor in suburbs; previous experience essential; lady preferred; good wages. Address 40/20, Office of this Paper.

DISPENSING Chemist (man or woman) with Pharmaceutical qualifications required for three weeks from August 13 or August 20 next at the London County Asylum, Long Grove, Epsom, Surrey; £2 2s. a week, with board and lodging, or £3 3s. without emoluments; male candidates must be ineligible for military service. Apply in writing, with particulars of qualifications and references, to Medical Superintendent.

FULLY-QUALIFIED lady or gentleman, over military age, required immediately for Dispensing and Counter in good-class business on South Coast. Apply, with full particulars, to W. J. H. Longman, Beach Road, Littlehampton.

IMMEDIATELY, a competent Assistant for Branch shop, to replace man joining Army; ineligible or over military age. Hargreaves & Co., Gloucester.

IN the City:—Vacancy for experienced Assistant (outdoors); hours short; salary liberal; must be ineligible for Army. Apply by letter, 40/24, Office of this Paper.

JUNIOR Assistant wanted; discharged soldier or otherwise ineligible; reasonable hours; good wages. Briggs, Chemist, 126 Hoe Street, Walthamstow.

JUNIOR Assistant (ineligible for military service) or lady Assistant for good-class country business; outdoors; healthy town; pretty district. Apply, stating age, experience, salary, and references, Ridley, Ph. Chemist, Tenterden, Kent.

LADY Dispenser wanted by a firm of Surgeons at once; Apothecaries' Hall qualification preferred. Will applicant kindly give full particulars of previous experience, age, and salary required to Dr. Statham, Lymington, Hants.

LADY Dispenser required in good-class business; easy hours; no Sunday duty (outdoors). State age, experience, salary, reference, and when disengaged, H. Barnett, Chemist, Hythe, Kent.

LEWIS & BURROWS, 146 Holborn Bars, have vacancies for two or three good Assistants; light hours; no Sunday or Bank Holiday duty.

LOCUM, qualified, energetic elderly gentleman good appearance entertained, from August 9 for about ten days; assistance given; good London references required. State remuneration, Johnson, Chemist, Southend-on-Sea.

LOCUM wanted (lady or gentleman), qualified, for any one week in September; first week preferred. Apply Kirkup, Chemist, Westmorland Road, Newcastle-on-Tyne.

LOCUM (lady or gentleman), qualified, wanted shortly for few weeks in Light Retail business in Kent; easy hours and light duties; no panel work (outdoors). State salary to "Kent" 38/37, Office of this Paper.

LOCUM, to manage, wanted about middle of August for three weeks (outdoors); short hours, dinner, closing half-day and Sundays free. Send refereuces and state salary to A. Upson, 35 High Street, Maidenhead.

LOCUM (qualified) wanted Central London; active, reliable, and abstainer; indoors preferred; about August 30 to September 15. Apply 40/15, Office of this Paper.

LOCUM; qualified; extra good remuneration; for first-class London business from August 20 to September 9 inclusive. State age, experience, references, to 40/22, Office of this Paper.

MANAGER required for old-established good-class business; small country town in Kent; must be experienced, qualified, and ineligible for Army; opportunity occurs for partnership if desired (but not essential); easy hours. Give full particulars of experience in first letter, also age and refereuces, to "Kent" (36/32), Office of this Paper.

MANAGER, qualified, required at once (ineligible) to take full charge; knowledge of Agricultural business essential. Apply, with full particulars, experience, age, references, and salary required, to Allen & Neale, King's Lynn.

MANAGER; qualified, experienced, and energetic; £3 10s. per week and house; share profits; over military age or ineligible; permanency. "London" (39/803), Office of this Paper.

MANAGING Assistant wanted (outdoors), London; unqualified; good Salesman and Window-dresser; easy berth; no Sunday; no Dispensing. Send age, experience, and salary expected to 38/6, Office of this Paper.

PHOTOGRAPHIC Assistant (lady or gentleman); must understand the work and be able to effect sales. Send full particulars of experience and salary required to Mr. Reid, Photo Chemist, 3 Queen Street, Exeter.

QUALIFIED lady Assistant for good-class Dispensing business. State salary required (outdoors) to Miss Hutcheon, Brearey & Son, 10 Prospect Hill, Douglas, Isle of Man.

QUALIFIED Manager, age about 46, required immediately for Relief work; Yorkshire and Lancashire; permanency afterwards if satisfactory. "Relief" (39/800), Office of this Paper.

REQUIRED, a whole or part-time Assistant; ineligible or over age; qualified preferred; must have good appearance, address, and references. State age, height, experience, salary required (outdoors), and enclose photo, to Parson C. Baker, 174 Victoria Street, S.W. 1.

STOCKTAKER.—Vacancy occurs in a firm of Chemists having a number of Branches for a qualified or unqualified man with good experience, above military age, to assist in taking Stock at the Branches; must be accurate and trustworthy. Reply Box 94/66, Office of this Paper, giving full particulars and salary required.

SURGICAL Instrument Business Assistant for front shop. Address, stating age, wages expected, and duties accustomed to, Box "Surgical," Lee & Nightingale, Liverpool.

TEMPORARY Dispenser and Photographer, ineligible for military service, required at the Glamorgan County Asylum; must be fully qualified; salary to commence at £100 per annum, with 5s. per week war bonus and lunch five days weekly; must reside within two miles of the Asylum. Applications, stating age and qualifications, with copies of three recent testimonials, to be sent to the Medical Superintendent.

TEMPORARY qualified Assistant or Locum required, August 30 to September 14; two other Assistants kept; first-class Dispensing business. Sharman, Northwood.

THE COUNTY OF MIDDLESEX WAR HOSPITAL, Napsbury, St. Albans.—Dispenser (woman) at once. Applications, stating experience and qualifications, to the Administrator. Urgent.

NORTHAMPTON GENERAL HOSPITAL. (298 Beds.)

WANTED, ASSISTANT DISPENSER (qualified). If male, must be ineligible for Military Service. Salary £90 a year, with Luncheon.

Applications, stating age and qualifications, to be sent to

C. S. RISBEE,
Secretary-Superintendent.

30th July, 1917.

WANTED, a man to make himself generally useful in Dispensary Laboratory; one with previous experience of Drug Trade preferred, but not essential. Apply, stating experience and wages required, to "Pharmacist," West London Hospital, Hammersmith Road, W. 6.

WANTED, Branch Manager (male or female); qualified. Apply, stating all particulars, to Barnes & Son, 114 Fishergate, Preston.

WANTED (September 1), competent qualified Assistant; outdoors; lady or gentleman; if gentleman must be ineligible. Send full particulars, age, salary, etc., to Green, Chemist, Southborough, Tunbridge Wells.

WANTED, competent Assistant; unqualified; Dispensing and Photographic; ineligible for Army. Give full particulars as to age, experience, salary, etc., Taveuer, Pharmacist, 129 High Street, Guildford, Surrey.

WHOLESALE.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

DUBLIN.—Wanted, energetic Assistant with Sundries and General Parcelling experience. State age and salary expected, and forward copies of testimouials, to 38/4, Office of this Paper.

A DENTIST and Chemical Manufacturer (both limited companies doing good business) desires to meet qualified Chemist with Analytical and Manufacturing experience; easy hours; small investment necessary; permanent position with very exceptional prospects; guaranteed returns and good salary. Write, giving fullest particulars, to Maurice Dadley, Chartered Accountant, Hertford Street, Coventry.

A VACANCY occurs for a very competent gentleman to assist in the management of a large Wholesale Drug House in the provinces; the applicant must have had experience in a house of good standing, and have full knowledge of all departments of the trade, especially on the scientific side, and be well informed in modern Therapeutics; should be a capable business correspondent, a good organiser, and accustomed to the proper handling of staff; a knowledge of the Instrument trade would be useful; a gentleman holding a qualification such as the Pharmaceutical (Major), F.I.C., or a University degree in Science would be preferred. Apply 93/25, Office of this Paper.

ASSISTANTS.—Raimes & Co., Wholesale Druggists, York, invite applications for junior posts in the Wet Room, Dry Room, Laboratory, or Warehouse; knowledge of the trade a necessity; male or female; the former not liable for military service; state particulars and salary required.

BOTTLE Department require man to take charge of this department in City Wholesale Druggists; must be free from military duties. Apply by letter, giving full particulars and salary required, to 95/11, Office of this Paper.

LADY Representative wanted, one with knowledge of Drug Trade, for London and suburbs; also one for Birmingham and South-Western district; must be very capable. Apply W. B. Cartwright, Ltd., Makers of Compressed Tablets, Rawdon, near Leeds.

MAN wanted who understands the Mixing and Packing of Cough Mixtures, Seidlitz Powders, Health Salts, 1*d.* Carded Goods and other Sundries; progressive position. Apply J. Barraclough & Co., Manufacturing Chemists, Water Lane, Leeds.

PERFUMERY.—Wanted, Perfumer, with experience in the compounding of Perfumery and Perfumes for Soap; must be a man of initiative, and have full knowledge of modern Synthetic Perfumes; good salary to capable man. Apply 81/40, Office of this Paper.

REPRESENTATIVES wanted for London and South Wales by old-established Yorkshire firm of Wholesale Druggists, to carry splendid selling line; repeat orders absolutely certain; good connection amongst Chemists essential; splendid commission; other men earning £9 per week. Apply 36/8, Office of this Paper.

REQUIRED at once, Junior Shipping Clerk; used to shipping bills and Customs work. Apply by letter, giving full particulars and salary required, to 95/110, Office of this Paper.

TRAVELLER required, with good connection amongst Chemists, Hospitals, Photographers, and Stores in London and suburbs. Write, stating full particulars, to 95/9, Office of this Paper.

WANTED by firm manufacturing Photo Chemicals formerly made in Germany, Traveller for London and district with bona-fide connection amongst Photographic dealers; opportunity for enterprise and energy; if really smart man, may secure management of London Office later. Apply by letter, stating salary required, experience, age, etc., to 92/16, Office of this Paper.

WANTED for Chemical and Drug Trade, experienced man for Office work, including correspondence and shipping; linguistic knowledge desirable; permanency and liberal progressive salary offered to suitable man. Apply 87/3, Office of this Paper.

SITUATIONS WANTED.

1s. for 12 words or less; 6d. for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

[HOME.]

RETAIL.

ASSISTANT or Manager. Give experience and reference, W. R., 22 New Road, Peterborough.

ASSISTANT; Counter, Dispensing; three whole, two part days week; Manchester district. T. E., C., Mrs. Heynes, 24 St. John Street, Deansgate, Manchester.

ASSISTANT; Dispenser; 59; energetic; disengaged; unqualified. "Chemicus," 17 George Street, Leamington Spa.

DISPENSER; 38; abstainer; Hospital and Doctor's experience; ex-Army Compounder; good genuine references; locum or permanency. Cameron, 5 Corporation Buildings, Lyme Regis, Dorset.

DOCTOR'S Dispenser (male), ineligible, desires post, country or on Coast; 14 years' experience; good references. Apply Merrell, Grove View, Linslade, Leighton Buzzard.

EXTRACTOR, Dispenser, etc., seeks engagement; town preferred; widower. Apply 38/17, Office of this Paper.

LADY Dispenser (Hall) wants post for few weeks; seaside preferred; 3 guineas weekly; Doctor or Chemist. Dispenser, Garfield House, Ryde, I.W.

LADY, Chemist's Assistant, seeks change to improve in Dispensing; Hall qualification. Apply 38/23, Office of this Paper.

LOCUM; qualified; 32; London experience; teetotaller; excellent references; disengaged; brilliant record. "Statim" (38/14), Office of this Paper.

LOCUM, unqualified (26), September 17 to 29; 12 years' experience; Mixed, quick Counter, Windows, etc.; good address; to utilise vacation. Apply "Radix" (33/1), Office of this Paper.

LOCUM; over 30 years' wide experience; vacancies August 20 onwards. Smith, Chemist (Manchester), 104 Katherine Road, East Ham, E. 6.

LOCUM Tenens; disengaged August 25 for 14 days; South Coast preferred; experienced. References, 40/23, Office of this Paper.

M.P.S. OVER military age, having sold his business, will accept Locum during war, or branch as required; easy hours; country. Apply 36/1, Office of this Paper.

PHARMACEUTICAL Chemist, aged 45, who has been for many years in control of one of the leading Retail houses in this country, is desirous of obtaining a similar position; exceptional knowledge of the trade and keen buyer. Apply "A. B." (38/38), Office of this Paper.

QUALIFIED, 15 years' experience, military exempted, desires change; hours 9 to 6; City or Hospital preferred. State terms and salary offered, "Statim" (37/34), Office of this Paper.

UNQUALIFIED Dispenser and Surgery Attendant; 52; 25 years' Government employ; Devon or Cornwall preferred. Tyrrell, 6 Evelyn Place, Plymouth.

WANTED in Portsmouth district, Dispensing with a Chemist; Apothecaries' certificate, but no practice for last 12 months. Miss P. Miller, Mount Edgcumbe, Havant, Hants.

WHOLESALE.

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AS Representative; well-educated gentlemanly Assistant (24 years) desires permanency with Wholesale house; thorough knowledge of Drug Trade; good Salesman; well recommended by present employers; ineligible; town or country. Apply "Energetic" (38/39), Office of this Paper.

CHEMIST, Major qualification, requires position in Wholesale or Manufacturing Laboratory; over military age. Particulars to "W.," 98 Talbot Road, Old Trafford, Manchester.

GENTLEMAN desires position as Travelling Representative; over military age; 20 years' first-class experience; most successful interviewer of Doctors and Chemists; highest references. Apply 29/10, Office of this Paper.

GENTLEMAN desires to represent first-class House; sound connection with Chemists and Stores in London. Apply 40/13, Office of this Paper.

LABORATORY Youth; 17; smart; not afraid of hard work; energy. 58 Elliott's Row, St. George's Road, Southwark, S.E.

MANAGER; qualified; over military age; experienced Surgical Instruments, Truss-fitting Appliances, and Photographic; Diploma, Analytical and Metallurgical Chemistry. Apply 39/3, Office of this Paper.

PHARMACIST, with connection and a business man, working London and the South Coast, is open to represent a first-class house on commission and part expenses; own car. Apply 40/19, Office of this Paper.

REPRESENTATIVE.—An experienced, qualified Chemist, over military age, leaving Retail, seeks appointment as sole Representative for good Drug or Chemical house, or is open to entertain two or three agencies for good going lines; territory Somerset, Devon and Cornwall, or South Wales. Write "Burnham" (37/1), Office of this Paper.

TRAVELLER (Chemists), Kent, Sussex, Hampshire, open additional line; commission and part expenses. Apply 37/18, Office of this Paper.

TRAVELLER, Chemists, Midlands, Eastern Counties, South Coast, splendid connection, requires additional line; commission and part expenses. "J." (35/10), Office of this Paper.

TRAVELLER, experienced, sound connection with Chemists and Stores, South-Eastern, South-Western, and Home Counties, requires re-engagement; excellent references; ineligible; opportunity for firm requiring good man. Write "M. 17," "Morning News," Plymouth.

MISCELLANEOUS.

100,000 Saccharin Tablets (½ gr. in 1), 18*s.* per 1,000; 5,000 or more, 17*s.* 6*d.* per 1,000; cash with order. R. Hoult, Wholesale Druggist, 73 Elford Grove, Leeds.

RED DOUCHE TUBING available; 1,050 lb.; packed in 1-lb. boxes about 18 ft. to the lb.; price 2*s.* 4*d.* per lb., in lots of not less than 50 lb. J. Murray & Co., Ltd., 31/3 High Holborn, W.C. 1.

£50.—Second-hand Shop Fittings; complete set; excellent condition; just out of use; 9 ft. 6 in. Drug Fitting, with shelving, cornice, and locker, and 66 drawers; 12 ft. 6 in. Glass-fronted Counter, and 6 ft. 6 in. do.; mahogany tops with drawers at back; Mahogany Perfume Case and Desk; Mahogany Dispensing Screen; 4 ft. Mahogany Counter Case; Tooth-brush Case; Brass Counter Scales and Weights; 4 Carboys Stands. PHILIP JOSEPHS & SONS, LTD., 93 Old Street, London, E.C. 1.

SECOND-HAND Chemists' Fittings.—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, RUDDUCK & CO., 262 Old Street, London, E.C.

8/6 3 Years 4 Columns

Jay Mack's Ledger

gives Yearly Sales, Purchases, Exes., with only 10 mins. work weekly; Easy Stocktaking explained; Form Pages show Balance Sheets and Income Tax Deductions; no previous Book-keeping experience needed.

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On appro. on receipt of cheque. 6d. Booking Fee plus Post if returned.

Mack-Ivor, Hightown P.O., Crewe.	Ayrtons, Evans, Bleasdale, Ucal Raimes (Edinb.)	Australia: Elliotts, C.D.A.	S. Africa: Border Drug, Gardners.

HIGH PRICES FOR CAMERAS

Original Cost Price for Vest Pocket Kodaks, R.R. Lens, and Watch Pocket Carbines. Try us for Single Models, Dealers' Stocks, Ensignettes, &c. We reply promptly and courteously, and goods are returned at once, CARRIAGE PAID, if no business is done.

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Developing. Printing. Enlarging

Developing Spools, 6 Ex., 6d.; 12 Ex., 1/-; V.P.K., 6d.
Prints up to and including ¼-plate . . . 1d. each.
ENLARGEMENTS. LIST FREE.
Prompt dispatch. Trade discount, 25 per cent.
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DEVELOPING and PRINTING.

BEST Results. *QUICK Returns.*
6 Exposures, any size, 4d. net. | 12 Exposures, any size, 8d. net.
Price List on application to:
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4 Norlington Road, Leytonstone, E. 11.
YOUR CUSTOMERS WILL BE PLEASED WITH RESULTS IF THE ORDERS ARE GIVEN TO US.

THERE IS MONEY

to be made in the Photographic Department of your business, but the Developing, &c., must be **WELL** and **QUICKLY** done. We are experts, and return all work received by first post on same day. We pay return postage. Send for our list and give us a trial.

STEAD & CO., Photographic Experts, Duke St., BRIGHTON.

TO WHOLESALE CHEMISTS, SHIPPERS, etc.

We compress tablets from your own Ingredients or otherwise, plain or coated. Large quantities dealt with quickly. Superior Machinery and Scientific Control.

Lowest quotations for Cascara tablets in bulk.

R. GIBBINS & CO., 1 Birkbeck Road, Kingsland, LONDON, N.E.

Prosthetic Dentistry

G. COVERDALE & SONS,
19 & 20 Parliament Street, York.
MECHANICS TO THE DENTAL PROFESSION.

Our Workrooms are most elaborately fitted up with all the latest electric appliances for the turning out of—at lowest possible prices and at shortest notice—Real High-class Work. We can guarantee absolute success with good models and bites. Our mechanics are experienced in all branches of Dentistry.

Write for our Price List.

We specialise in all Vulcanite Work and Repairs.

DISPENSING BOTTLES & PHIALS.

CLEAR BLUE TINTED, plain or graduated.
3 and 4 ounce. 6 and 8 ounce.
12 ounce.
WHITE PHIALS, plain or teaspoons.
½ ounce. 1½ ounce.
1 " 2 "
BLUE LOTION BOTTLES, all sizes.
Lowest Market Prices Charged.

CORKS. Superior Quality. No advance in price.
6 and 8 ounce ... ... 1*s.* per gross, in 6 gross bags.
Vials ... ... 10*d.* per gross, in 3 gross bags.

Delivered free within 7 miles, and to certain stations. Particulars on application.

I. ISAACS & CO., Glass Bottle Manufacturers,
106 Midland Road, St. Pancras, London, N.W. 1,
or ISLINGTON BOTTLE COMPANY,
7 New Inn Yard, Tottenham Court Road, London, W. 1.
Orders sent to either establishment have attention.
Established 100 Years.
Bankers: London County and Westminster Bank, Bloomsbury Branch.

PAPER

White Demy, Yellow Wove (Blue), Brown Tissue, White and Coloured Do., Small Hands (Whitey-Brown) Sulphites, Kraft, and English Browns. Twine in 6 oz. balls @ 10/6 per doz. Parcel String in 1 lb. balls @ 15/- per doz. Samples sent on receipt of card stating size and weight of paper required. Cash with order.

D. W. BULL,
4 Churchill Road, Homerton, E 9.

WAR WANTS EXCHANGE.

For the interchange of scarce pharmaceutical products. Minimum charge (prepaid)) which includes registration fee: 1/- for six words or less; 2d. per word beyond.

WANTED.

Principals having any of the following articles to dispose of are requested to notify the fact by postcard or otherwise stating quantity and price to

THE WAR WANTS EXCHANGE,

"The Chemist and Druggist," 42 Cannon Street, London, E.C.

Adalin tablets (92/65)
Butyl chloral hydrate (94/16)
Chinoral (92/65)
Chinosol soloids (92/65)
Colgate's shaving-sticks (92/65)
Elcaya crême (92/65)
Eugallol (92/65)
Euresol pro capillis (92/65)
Migrainine (92/65)
Naftalan (92/65)
Orthoform (92/65)
Pond's vanishing cream (92/65)
Pot. permang. (40/14)
Pyoktannin (94/16)
Rhinoculin cream (92/65)

FOR DISPOSAL.

Bona-fide buyers of the following articles are requested to communicate their exact requirements promptly to us, and we shall place them in touch with sellers:—

Chinosol powder (40/14)

EXCHANGE COLUMN

One halfpenny per word with name and address. One penny per word if we register the address and attach a number.
No advertisement inserted for less than 6d.

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FOR DISPOSAL.

DENTAL.

FOR Sale, 12 Dental Show-pieces. R. Lamb, 123 West End Lane, London.

DENTAL Forceps; 8 pairs (upper and lower); good condition; 24s. lot. Also complete set (new) upper Forceps (four); 26s. lot. Apply 37/2, Office of this Paper.

41 pairs Dental Forceps, new and second-hand; latest patterns; best makes; will sell cheap or exchange for Dental Books, Engine Fittings, Articulators, "Guy's" Forceps, anything Dental, or 1-oz. Chipettes. Hill, Dental Parlour, Sussex Terrace, Southampton.

DRUGS AND CHEMICALS.

½ Set Younit Window Fittings; 2 gall. Unsweetened Lime Juice. Apply 35/2, Office of this Paper.

LAVAND. Flor. Aug. Opt., 1917 crop, about 56 lb. at 2s. 9d. per lb. Apply 35/6, Office of this Paper.

WHAT Offers? One 60 gr., one 30 gr. silver-plated Suppository Moulds; not been used. Bostock, Chemist, Hough Green, Widnes.

OFFERS wanted. Cascara Capsules, Hæmoglobin Capsules, Cantharidine, Pilocarpine, Heroine, Homatropinum, Atropine, about 30 or 40 grains all told. Haselby, Hastings.

OPTICAL AND PHOTOGRAPHIC.

LENS; ¼ Cook Koilos Shutter, 6 in. Beck W.A. Rect. 18 in. Beck N.A. View; wishes offers. H. D. Field, Rawcliffe, East Grinstead.

MISCELLANEOUS.

WHAT Offer? 5 Reams White Demy Paper cut 1 oz. to 8 oz. size. Apply 36/7, Office of this Paper.

ADVERTISING Sign, 14 in. by 18 in., handsomely framed, suitable for any window, and complete Box of changeable Metal Letters; quite new; cost 35s.; accept 22s. 6d.; approval. C. D., 100 Morshead Mansions, Maida Vale, W. 9.

WANTED.

WANTED, "Atophan Powder." Davies, Bold Street, Southport.

SACCHARIN wanted. Give full particulars to Walton, Chemist, Batley Carr.

EIKONOGEN; state quantity and price. Hinchcliffes, Photographers, Leicester.

KODAK Film Tank for films up to 3½ inches. Neathercoat, 60 Denmark Hill, S.E.

TABLET Machines wanted. Make and full particulars to 39/4, Office of this Paper.

APENTA, Bromo Paper, Sozodont. Quantity and price to Tims, Chemist, Cobham, Surrey.

WANTED, Stockholm Tar, Soft Soap; any quantity. Heywood, Sand Bank, Bamford, Rochdale.

SACCHARIN wanted. Quantity, strength, and price to Lloyd, 323 Coventry Road, Birmingham.

ABSORBENT Wool, Lint, Bandages wanted in fair quantities. Offers to 91/29, Office of this Paper.

SALICINE; large or small quantities; spot cash; state price and quantity. Russell, 27 Store Street, W.C. 1.

ALYPIN, any quantity; Saxin or Saccharin Tablets, any quantity. R. Evan Parker, 32 Hertford Street, Coventry.

SACCHARIN wanted, powder or tablets; also 3½-inch Kodak Developing Machine. W. Lean, Chemist, Burton-on-Trent.

WANTED, Sifter and Mixer, about 30 lb. capacity; also one about 200 lb. capacity. Lewis Smith, Chemist, Hereford.

TINS required for Boot Polish, Ointments, Metal Paste, etc. Samples and prices to Fortune & Co., "Brytenup" Polish Works, Preston.

MIXING Machine.—Wanted, Machine for Mixing Depilatory Powder; capacity about 7 lb. Particulars to Penn, 20 Eton Avenue, North Finchley, N. 12.

FLAT Plate-glass Mahogany Counter Case, about 36 inches by 22 by 3 deep; first-class quality and condition. Gamlen, Chemist, West Hartlepool.

OPTICAL books, Minor, Major, Chemists' books; send prepaid for valuation; cash offers per return. Gower, Bookseller, 41 Voltaire Road, Clapham, S.W.

KODAKS, Saccharine Tablets, Liquorice, Pond's Cream, Williams' and Colgate's Shaving Sticks and Tooth Paste. Particulars and prices to Vincent, 460 Holloway Road, London.

WANTED to purchase for cash, large or small quantities of Soda Cinnamate, Iodol, Salophen, Exalgine, Guaiacol, Cinnamate (Styracol). State quantities with price to 94/32, Office of this Paper.

ROUND Tin Boxes, diameter $2\frac{7}{16} \times \frac{6}{16}$ deep; $2\frac{1}{32} \times \frac{6}{16}$ or nearest; Microscope; Stethoscope; Typewriter; Permanganate Potash; Epsoms; Glycerin; Pharmaceutical Formulas; Essentials of Pharmacy; extra Pharmacopœia, Martindales. McMullan, Chemists, Larne.

TIN Boxes. Advertiser is open to purchase, in large or small quantities at good prices, tin boxes measuring 2¾ to 3 in. long by 2 in. wide, ⅝ or ¾ in. deep, or approximating thereto; not necessarily new. Particulars to 79/30, Office of this Paper.

We desire particularly to draw the attention of Colonial and Foreign Subscribers to the fact that in cases where they require partners, agents or assistants, or wish to sell their businesses, an advertisement in this Supplement, placed in every copy of "The Chemist and Druggist," should be the readiest means of helping them to attain their object. The tariff for such announcements is given under the appropriate headings in the Supplement. Instructions and remittances can be sent to us direct or through the advertisers' correspondents in this country.

Printed for the Proprietors by SPOTTISWOODE, BALLANTYNE & CO. LTD., 1 New-street Square, E.C. 4, and Published by the Proprietors at 42 Cannon Street, in the City of London.— [72]

THE CHEMIST AND DRUGGIST

TELEPHONE NUMBER: 3617 CENTRAL (3 lines).

Established in **ENGLAND, 1859.]**

Registered as a Newspaper.
Published Weekly at 42 CANNON STREET, LONDON, E.C. 4.

TELEGRAPHIC ADDRESS: "CHEMICUS, CANNON, LONDON." [Charged as two words only.]

Established in **[AUSTRALASIA, 1885.**

No. 1,959. Vol. LXXXIX. AUGUST 11, 1917. Subscription Rate, 12s. 6d. per annum Single Copies, 6d. each. Winter and Summer Issues 1s. each. Post Free.

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OPIUM *and its preparations*

PHARMACEUTICAL PRODUCTS

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OLDFIELD, PATTINSON & CO., MANCHESTER

MANUFACTURERS OF

Extract of Malt with Cod Liver Oil,

Emulsion of Cod Liver Oil,

Norwegian Cod Liver Oil.

SUPPLIED PACKED OR IN BULK.

Samples and Quotations on Request.

ALLEN & HANBURYS, Ltd., LONDON.

AIR RAIDS! BE PREPARED

FIRST-AID in Home, Office, Factory, etc.

ALWAYS READY for an EMERGENCY

SANDRINGHAM COMPRESSED OUTFITS *New Series*

No. 10.—Sandringham Compressed Pocket Outfit. Size of case, 4 × 3 × 1 in. ... each **1/6**
Comprising Bandage, Cotton Wool, Boric Lint, Iodine Ampoules, Styptic Pad, Adhesive Plaster, Court Plaster, Boric Ointment, Zinc Ointment, Safety Pins, Camel Hair Brush.

No. 11.—Sandringham Compressed First-Aid Outfit. Size of case, 6 × 3¾ × 2⅜ in. each **5/9**
Comprising Assorted Bandages, Triangular Bandage, Absorbent Wool, Lint, Gauze, Boric Gauze, Protective, Finger Splints, Tweezers, Sal Volatile, Plaster, Boric Ointment, C.H. Brushes, Safety Pin, Sponge.

No. 12.—Sandringham Compressed Outfit. Size of case, 5¾ × 5 × 1¾ in. ... ... each **6/3**
Comprising Assorted Bandages, Boric Wool, Boric Lint, Abs. Wool, Abs. Lint, Boric Ointment, Plaster, Protective, Jaconet, Styptic Pads, Court Plaster, Iodine Ampoules, Carron Oil, Sal Volatile, Sponge, Safety Pin, Scissors, Tweezers, C.H. Brush.

No. 13.—Sandringham Compressed Outfit. Size of case, 7¼ × 4¼ × 1¾ in. ... ... each **10/-**
Comprising Assorted Bandages, Boric Lint, Boric Wool, Abs. Lint, Abs. Wool, Abs. Gauze, Boric Gauze, Plaster, Court Plaster, Boric Ointment, Zinc Ointment, Iodine Ampoules, Sal Volatile, Friars Balsam, Scissors, Tweezers, Finger Splint, Jaconet, Safety Pins, C.H. Brush, Needles and Thread, Sponge.

No. 14.—Sandringham Compressed Outfit. Size of case, 6¾ × 5¾ × 2 in. ... ... each **11/6**
Comprising Assorted Bandages, Triangular Bandage, Abs. Gauze, Abs. Wool, Abs. Lint, Boric Wool, Boric Lint, Sal Volatile, Zinc Ointment, Boric Ointment, Plaster, Court Plaster, Iodine Ampoules, Scissors, Tweezers, Finger Splint, Finger Stall, Jaconet, Safety Pins, Needles and Thread, C.H. Brush, Sponges, Drinking Cup.

No. 15.—Sandringham Compressed Outfit. Size of case, 8¾ × 4¾ × 2½ in. ... ... each **13/-**
Comprising Assorted Bandages, Triangular Bandage, Cyanide Gauze, Boric Wool, Boric Lint, Abs. Wool, Abs. Lint, Drinking Cup, Sponge, Adhesive Plaster, Iodine Ampoules, Boric Ointment, Carron Oil, Friars Balsam, Sal Volatile, Straps & Buckles, Splints, Tweezers, Scissors, Jaconet, Court Plaster, C.H. Brushes, Safety Pins, Needles & Thread.

No. 16.—Sandringham Compressed Outfit. Size of case, 8 × 6 × 2¼ in. ... ... each **16/6**
Comprising Assorted Bandages, Triangular Bandages, Cyanide Gauze, Boric Wool, Boric Lint, Plain Lint, Plain Wool, Splints, Adhesive, Court Plaster, Drinking Cup, Sponge, Safety Pins, Jaconet, Iodine Ampoules, Scissors, Tweezers, C.H. Pencils, Sal Volatile, Friars Balsam, Carron Oil.

No. 18.—Emergency Outfit, to hang on wall. Size of case, 15 × 12¼ × 3¼ in., each **45/-**
Comprising Set of Splints, 3 doz. assd. Comp. Bandages, Assortment Compressed 2 oz. Wool, Lint and Boric Lint, Abs. Gauze, Adhesive, Drinking Cup, Sponge, 1 doz. Iodine Ampoules, Protective, 8 Triangular Bandages, Scissors, Tweezers, Safety Pins, C.H. Brushes, Sal Volatile, Carbolic Lotion, Picric Solution, First-Aid Book.

MAY, ROBERTS & CO., LTD. 7 to 13 Clerkenwell Road, LONDON, E.C. 1.

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PERFECT SOLUBLE ESSENCE OF LEMON

IS A PURE FRUIT ESSENCE MADE ENTIRELY FROM LEMONS.

IT IS GUARANTEED FREE FROM TERPENELESS AND SESQUITERPENELESS OIL OF LEMON, OIL OF LIMES, ARTIFICIAL CITRAL OR ANY OTHER ADMIXTURE.

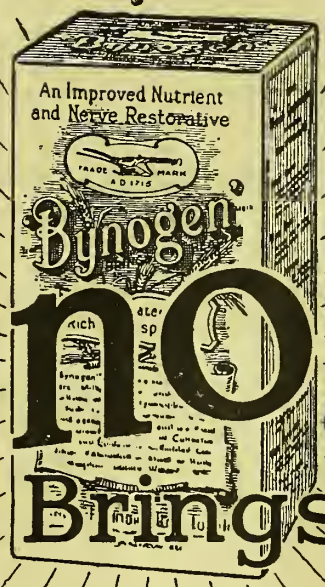
THE ENORMOUS DEMAND FOR THIS PERFECT ESSENCE IS A PROOF OF ITS SUPERLATIVE QUALITY, AND NOTHING APPROACHING IT IN FLAVOUR OR AROMA CAN BE MADE FROM TERPENELESS OILS BY ANY PROCESS.

THE SALE OF LEMONADE DEPENDS ENTIRELY ON THE FLAVOURING USED.

STEVENSON & HOWELL, LTD.

SOUTHWARK STREET, LONDON, S.E.

The Improved Casein-Glycerophosphate Food



'Bynogen'

Trade Mark

Brings Health

An Easily Digested Nerve Food Rich in Phosphorus

Composition of "Bynogen."

"Bynogen" is a combination of pure Milk Protein, 75 per cent., and specially prepared Dextrin-Maltose, 20 per cent., with 2 per cent. each of the Glycerophosphates of Soda and Lime, and 1 per cent. of Glycerophosphate of Magnesia.

Uses of "Bynogen."

"Bynogen" is indicated in all Enfeebled Conditions, in Convalescence after Severe Illness, Mental and Nervous Exhaustion due to worry or overwork, Insomnia, Physical Fatigue, Wasting Diseases, Anæmia, Digestive Troubles, etc.

"Bynogen" is very helpful to Nursing Mothers for overcoming the strain caused by breast feeding.

Minimum Retail Prices: 1/9 and 3/- per bottle.

Gross Wholesale Prices: 17/- and 29/- per doz. bottles respectively.

A Concentrated Nutrient and Restorative

Advantages of "Bynogen."

"Bynogen" possesses a most attractive flavour and thereby overcomes the objection hitherto experienced in other somewhat similar products.

"Bynogen" strengthens digestion, improves nutrition, and does not cause constipation.

"Bynogen" is delicious when sprinkled on puddings, toast, etc. It mixes readily with milk and other fluids, or it may be eaten plain if desired.

Profit on "Bynogen."

"Bynogen" yields a profit on return of 25% monthly a/c terms. When "Bynogen" forms part of a £5 carriage paid general order for the "Allenburys" Specialities the profit on "Bynogen" is increased to 27½%

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(BRITISH REFINED.)

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* * *

First and foremost is the quality of the goods.

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The wrapper, the box, tin or carton in which the goods are sold usually receives considerable attention, and possesses a valuable goodwill. But the outer package receives less attention; this should not be. An elegant packing case or container — in other words a "FIBERITE" case — distinctive in shape—made, in fact, for your goods, and bearing in a neat and effective display your own trade mark or name, can become a valuable aid to your sales.

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There are more beside than we have space to detail here. If you are interested, write us, and we will send descriptive booklet.

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N.B.—*As we are experiencing great difficulties in obtaining sufficient raw material, it is possible we may be unable to accept orders unless the material is required for work of NATIONAL IMPORTANCE.*